

Material Safety Data Sheet

Brite Wash

1 . Product and company identification

Common name	: Brite Wash	
Material uses	: Mild soap.	
Supplier	: Shurhold Industries 3119 SW 42nd Avenue Palm City, Florida 34990-5558 Toll free : 800-962-6241 Tel : (772) 287-1313 Fax : (772) 286-9620 Email : info@Shurhold.com	
Manufacturer	: Contact the supplier.	
In case of emergency	: CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887	
MSDS authored by:	: Kemika XXI Inc. + 1-450-435-7475	10/30/2006

2 . Hazards identification

Physical state	: Liquid. (Clear.)
Odor	: Bouquet.
Color	: Gold.
Hazard status	: This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview	: WARNING ! CAUSES EYE IRRITATION. MAY BE HARMFUL IF SWALLOWED. Do not ingest. Avoid contact with skin and clothing. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eyes	: Irritating to eyes.
Skin	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: May be harmful if swallowed.
Potential chronic health effects	: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure	: Repeated or prolonged exposure is not known to aggravate any medical condition.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
Sodium Dodecylbenzene Sulfonate	25155-30-0	5 - 10

Canada

Name	CAS number	%
Sodium Dodecylbenzene Sulfonate	25155-30-0	5 - 10

Mexico

Name	UN number	IDLH	Classification				CAS number	%
			H	F	R	Special		
Sodium Dodecylbenzene Sulfonate	Not regulated.	-	1	0	0	25155-30-0	5 - 10	

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : Non-flammable.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

- Handling** : Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels.

Personal protection

- Eyes** : Safety glasses.
- Skin** : No special protective clothing is required.
- Respiratory** : Not required under normal conditions of uses.
- Hands** : Not required under normal conditions of uses.



- HMIS Code/Personal protective equipment** : A

Personal protection in case of a large spill : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

- Physical state** : Liquid. (Clear.)
- Color** : Gold.
- Odor** : Bouquet.
- pH** : 12.8 [Basic.]
- Boiling/condensation point** : 100°C (212°F)
- Melting/freezing point** : May start to solidify at 0°C (32°F) based on data for: Water.
- Relative density** : 1.06 (Water = 1)
- Vapor pressure** : The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).
- Vapor density** : The highest known value is 0.62 (Air = 1) (Water).
- Evaporation rate** : 0.36 (Water) compared with Butyl acetate.
- Solubility** : Easily soluble in cold water, hot water, methanol, acetone.

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive with oxidizing materials and acids.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : None known.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test	Result	Route	Species
Sodium Dodecylbenzene Sulfonate	LD50	438 mg/kg	Oral	Rat
	LD50	1330 mg/kg	Oral	Mouse

Acute Effects

Eyes	: Irritating to eyes.
Skin	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: May be harmful if swallowed.
Potential chronic health effects	: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Sodium Dodecylbenzene Sulfonate	Daphnia magna (EC50)	48 hour(s)	5.88 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1.18 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	1.68 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	6.5 mg/l

Environmental precautions	: No known significant effects or critical hazards.
Products of degradation	: These products are carbon oxides and water, sulfur oxides. Some metallic oxides.
Toxicity of the products of biodegradation	: The products of degradation are less toxic than the product itself.

13 . Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.
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14 . Transport information

NAERG : Not applicable.

Regulatory information

UN/ IMDG/IATA DOT/TDG : Not regulated.

15 . Regulatory information

United States

HCS Classification	: Irritating material
U.S. Federal regulations	: TSCA : All components listed. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Sodium Dodecylbenzene Sulfonate SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Dodecylbenzene Sulfonate: Immediate (acute) health hazard Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Sodium Dodecylbenzene Sulfonate
 Clean Air Act (CAA) 112 accidental release prevention: No products were found.
 Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
 Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

State regulations : Pennsylvania RTK: Sodium Dodecylbenzene Sulfonate: (environmental hazard, generic environmental hazard); Diethanolamine: (environmental hazard, generic environmental hazard)
 Massachusetts RTK: Sodium Dodecylbenzene Sulfonate; Diethanolamine
 New Jersey: Sodium Dodecylbenzene Sulfonate; Diethanolamine
 California prop. 65: No products were found.

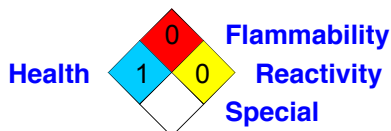
Canada
WHMIS (Canada) : Class D-2B: Material causing other toxic effects (Toxic).



DSL : All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM -018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1 and NOM -018-STPS-2000.

Mexico
Classification :



HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Label requirements (U.S.A.) : CAUSES EYE IRRITATION.
 MAY BE HARMFUL IF SWALLOWED.

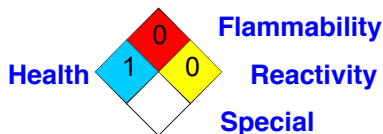
Hazardous Material Information System (U.S.A.) :

HMIS RATING	
Health	1
Fire hazard	0
Physical Hazard	0
Personal protection	A

HAZARD RATINGS

- 4- Extreme
 - 3- Serious
 - 2- Moderate
 - 1- Slight
 - 0- Minimal
- See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :



References

: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

Date of issue

: 10/30/2006

Version

: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet

Buff Magic

1. Product and company identification

Common name : Buff Magic
Material uses : Rubbing compound for fiberglass and metal polish.
Supplier : Shurhold Industries
3119 SW 42nd Avenue
Palm City, Florida 34990-5558
Toll free : 800-962-6241
Tel : (772) 287-1313
Fax : (772) 286-9620
Email : info@Shurhold.com
Manufacturer : Contact the supplier.
In case of emergency : CHEMTREC, U.S. : (800) 424-9300
International: (703) 527-3887

MSDS authored by: : Kemika XXI Inc. + 1-450-435-7475 10/30/2006

2. Hazards identification

Physical state : Solid. (Paste.)
Odor : Ammoniacal. (Slight.)
Color : White or a pale pink in color.
Hazard status : This material is classified as not hazardous under OSHA regulations in the United States, the WHMIS in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview : No specific hazard.
USE WITH CARE.
Follow good industrial hygiene practice.
Routes of entry : Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects
Eyes : No known significant effects or critical hazards.
Skin : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Potential chronic health effects : Carcinogenic effects Classified A3 (Proven for animals.) by ACGIH [Distillates (Petroleum), Hydrotreated Light].
Mutagenic effects Not available.
Teratogenic effects: Not available.

See toxicological information (section 11)

3. Composition/information on ingredients

United States

Name	CAS number	%
Distillates (Petroleum), Hydrotreated Light	64742-47-8	10 - 30

Canada

Name	CAS number	%
Distillates (Petroleum), Hydrotreated Light	64742-47-8	10 - 30

Mexico**Classification**

Name	UN number	IDLH	H	F	R	Special	CAS number	%
Distillates (Petroleum), Hydrotreated Light	Not regulated.	-	0	1	0		64742-47-8	10 - 30

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Extinguishing media**
- Suitable** : Use dry chemical powder.
- Not suitable** : Do not use water jet.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, carefully scoop up spilled materials and use a non-sparking or explosion-proof means to transfer material to an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

7 . Handling and storage

- Handling** : Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources.
- Storage** : Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

8 . Exposure controls/personal protection**United States****Product name**

Distillates (Petroleum), Hydrotreated Light

Exposure limits

ACGIH TLV (United States, 1/2005). Skin
TWA: 200 mg/m³ 8 hour(s). Form: All forms.

Canada**Product name**

Distillates (Petroleum), Hydrotreated Light

Exposure limits**ACGIH TLV (United States, 1/2005). Skin**
TWA: 200 mg/m³ 8 hour(s). Form: All forms.**Mexico****Product name**

Distillates (Petroleum), Hydrotreated Light

Exposure limits**ACGIH TLV (United States, 1/2005). Skin**
TWA: 200 mg/m³ 8 hour(s). Form: All forms.**Engineering measures**

: Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal protection**Eyes**

: Safety glasses.

Skin

: Lab coat.

Respiratory

: A respirator is not needed under normal and intended conditions of use.

Hands

: Disposable vinyl gloves.

**HMIS Code/Personal protective equipment**

: A

Personal protection in case of a large spill

: Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties**Physical state**

: Solid. (Paste.)

Flash point

: Closed cup: 104.44°C (220°F).(Setaflash.)

Color

: White or a pale pink in color.

Odor

: Ammoniacal. (Slight.)

pH

: 8.5 (Conc. (% w/w): 1) [Basic.]

Relative density

: 1.09 (Water = 1)

Evaporation rate

: >1 compared with Butyl acetate.

Solubility

: Very slightly soluble in cold water, hot water.

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive with oxidizing materials.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Slightly flammable in the presence of the following materials or conditions: heat.

11 . Toxicological information

Acute Effects

- Eyes** : No known significant effects or critical hazards.
- Skin** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Potential chronic health effects** : Carcinogenic effects Classified A3 (Proven for animals.) by ACGIH [Distillates (Petroleum), Hydrotreated Light].
Mutagenic effects Not available.
Teratogenic effects: Not available.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Distillates (Petroleum), Hydrotreated Light	Oncorhynchus mykiss (LC50	96 hour(s)	2.9 mg/l

- Environmental precautions** : No known significant effects or critical hazards.
- Products of degradation** : Not available.

13 . Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

Regulatory information

UN/ IMDG/IATA DOT/TDG : Not regulated.

15 . Regulatory information

United States

- HCS Classification** : Not regulated.
- U.S. Federal regulations** : TSCA : All components listed.
 SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: Distillates (Petroleum), Hydrotreated Light
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Distillates (Petroleum), Hydrotreated Light: Delayed (chronic) health hazard
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: Ammonia
 Clean Air Act (CAA) 112 accidental release prevention: No products were found.
 Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
 Clean Air Act (CAA) 112 regulated toxic substances: No products were found.
- State regulations** : Not available.
 California prop. 65: No products were found.

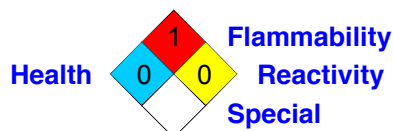
Canada

- WHMIS (Canada)** : Not regulated.
 DSL : All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM -018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1 and NOM -018-STPS-2000.

Mexico

Classification :



HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

- International lists** : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Label requirements (U.S.A.) : USE WITH CARE.

Hazardous Material Information System (U.S.A.) :

HMIS RATING

Health	0
Fire hazard	1
Physical Hazard	0
Personal protection	A

HAZARD RATINGS

- 4- Extreme
 - 3- Serious
 - 2- Moderate
 - 1- Slight
 - 0- Minimal
- See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :



References

: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

Date of issue

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Material Safety Data Sheet

Pro Polish

1 . Product and company identification

Common name	: Pro Polish	
Material uses	: Pro Polish is a fiberglass/gel coat cleaner, sealant/polish with UV inhibitors .	
Supplier	: Shurhold Industries 3119 SW 42nd Avenue Palm City, Florida 34990-5558 Toll free : 800-962-6241 Tel : (772) 287-1313 Fax : (772) 286-9620 Email : info@Shurhold.com	
Manufacturer	: Contact the supplier.	
In case of emergency	: CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887	
MSDS authored by:	: Kemika XXI Inc. + 1-450-435-7475	10/30/2006

2 . Hazards identification

Physical state	: Liquid.
Hazard status	: This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview	: WARNING ! CAUSES SEVERE EYE IRRITATION. CAUSES RESPIRATORY TRACT AND SKIN IRRITATION. Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eyes	: Severely irritating to eyes.
Skin	: Irritating to skin.
Inhalation	: Irritating to respiratory system.
Ingestion	: No known significant effects or critical hazards.
Potential chronic health effects	: Carcinogenic effects: Classified A3 (Proven for animals.) by ACGIH [Distillates (Petroleum), Hydrotreated Light]. Classified None. by NIOSH [Diethanolamine]. Classified 3 (Not classifiable for humans.) by IARC [Diethanolamine]. Classified None. by OSHA [Isopropyl alcohol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Isopropyl alcohol]. Classified None. by OSHA, None. by NIOSH [Methanol]. Mutagenic effects: Classified None. for humans [Isopropyl alcohol]. Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure	: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.
See toxicological information (section 11)	

3 . Composition/information on ingredients

United States

Name	CAS number	%
Solvent naphtha (petroleum), heavy aliphatic	64742-96-7	5 - 10
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	5 - 10
Distillates (Petroleum), Hydrotreated Light	64742-47-8	1 - 5
1-Tetradecene	1120-36-1	1 - 5
Diethanolamine	111-42-2	1 - 5

Canada

Name	CAS number	%
Solvent naphtha (petroleum), heavy aliphatic	64742-96-7	5 - 10
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	5 - 10
Distillates (Petroleum), Hydrotreated Light	64742-47-8	1 - 5
1-Tetradecene	1120-36-1	1 - 5
Diethanolamine	111-42-2	1 - 5
Methanol	67-56-1	0.1 - 0.5

Mexico

Classification

Name	UN number	IDLH	H	F	R	Special	CAS number	%
Solvent naphtha (petroleum), heavy aliphatic	Not regulated.	-	1	2	0		64742-96-7	5 - 10
Solvent naphtha (petroleum), medium aliphatic	UN1223	-	1	1	0		64742-88-7	5 - 10
1-Tetradecene	Not regulated.	-	2	1	0		1120-36-1	1 - 5
Diethanolamine	Not regulated.	-	1	1	0		111-42-2	1 - 5
Distillates (Petroleum), Hydrotreated Light	Not regulated.	-	0	1	0		64742-47-8	1 - 5

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : Combustible
- Products of combustion** : These products are carbon oxides, nitrogen oxides. Some metallic oxides.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.

Combustible liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

United States

Product name

Solvent naphtha (petroleum), heavy aliphatic

Exposure limits

ACGIH TLV (United States).

TWA: 10 mg/m³ 8 hour(s).

Solvent naphtha (petroleum), medium aliphatic

Manufacturer (United States).

TWA: 100 ppm 8 hour(s). Form: All forms.

Distillates (Petroleum), Hydrotreated Light

ACGIH TLV (United States, 1/2005). Skin

TWA: 200 mg/m³ 8 hour(s). Form: All forms.

Diethanolamine

ACGIH TLV (United States, 1/2005). Skin

TWA: 2 mg/m³ 8 hour(s). Form: All forms.

TWA: 0.46 ppm 8 hour(s). Form: All forms.

NIOSH REL (United States, 12/2001).

TWA: 15 mg/m³ 10 hour(s). Form: All forms.

TWA: 3 ppm 10 hour(s). Form: All forms.

OSHA PEL 1989 (United States, 3/1989).

TWA: 15 mg/m³ 8 hour(s). Form: All forms.

TWA: 3 ppm 8 hour(s). Form: All forms.

Canada

Product name

Solvent naphtha (petroleum), heavy aliphatic

Exposure limits

ACGIH TLV (United States).

TWA: 10 mg/m³ 8 hour(s).

Distillates (Petroleum), Hydrotreated Light

ACGIH TLV (United States, 1/2005). Skin

TWA: 200 mg/m³ 8 hour(s). Form: All forms.

Diethanolamine

ACGIH TLV (United States, 1/2005). Skin

TWA: 2 mg/m³ 8 hour(s). Form: All forms.

TWA: 0.46 ppm 8 hour(s). Form: All forms.

ACGIH TLV (United States, 1/2005). Skin

STEL: 328 mg/m³ 15 minute(s). Form: All forms.

STEL: 250 ppm 15 minute(s). Form: All forms.

TWA: 262 mg/m³ 8 hour(s). Form: All forms.

Methanol

TWA: 200 ppm 8 hour(s). Form: All forms.

Mexico**Product name**

Solvent naphtha (petroleum), heavy aliphatic

Distillates (Petroleum), Hydrotreated Light

Diethanolamine

Exposure limits**ACGIH TLV (United States).**TWA: 10 mg/m³ 8 hour(s).**ACGIH TLV (United States, 1/2005). Skin**TWA: 200 mg/m³ 8 hour(s). Form: All forms.**ACGIH TLV (United States, 1/2005). Skin**TWA: 2 mg/m³ 8 hour(s). Form: All forms.

TWA: 0.46 ppm 8 hour(s). Form: All forms.

Engineering measures

: Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protection**Eyes**

: Safety glasses.

Skin

: Lab coat.

Respiratory

: A respirator is not needed under normal and intended conditions of use.

Hands

: Natural rubber (latex).

**HMIS Code/Personal protective equipment**

: B

Personal protection in case of a large spill

: Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties**Physical state**

: Liquid.

Flash point

: Closed cup: 104.44°C (220°F).(Setaflash.)

Auto-ignition temperature

: The lowest known value is 229°C (444.2°F) (Solvent naphtha (petroleum), medium aliphatic).

Flammable limits

: The greatest known range is Lower: 1% Upper: 6% (Solvent naphtha (petroleum), medium aliphatic)

pH

: Basic.

Boiling/condensation point

: Weighted average: 129.57°C (265.2°F)

Melting/freezing point

: Weighted average: -2.27°C (27.9°F)

Relative density

: 1.09 (Water = 1)

Vapor pressure

: Weighted average: 1.96 kPa (14.7 mm Hg) (at 20°C)

Vapor density

: Weighted average: 1.54 (Air = 1)

Evaporation rate

: >1 compared with Water = 1

Viscosity

: Kinematic (40C): The highest known value is 1 to 2 cSt (Solvent naphtha (petroleum), medium aliphatic)

Solubility: Easily soluble in methanol, acetone.
Partially soluble in cold water, hot water.

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive with oxidizing materials and acids.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
Slightly flammable in the presence of the following materials or conditions: heat.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test	Result	Route	Species
Solvent naphtha (petroleum), medium aliphatic	LD50	>5000 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Dermal	Rabbit
Diethanolamine	LD50	2200 mg/kg	Oral	Rabbit
	LD50	3300 mg/kg	Oral	Mouse
	LD50	12200 mg/kg	Dermal	Rabbit

Acute Effects

- Eyes** : Severely irritating to eyes.
- Skin** : Irritating to skin.
- Inhalation** : Irritating to respiratory system.
- Ingestion** : No known significant effects or critical hazards.
- Potential chronic health effects** : Carcinogenic effects Classified A3 (Proven for animals.) by ACGIH [Distillates (Petroleum), Hydrotreated Light]. Classified None. by NIOSH [Diethanolamine]. Classified 3 (Not classifiable for humans.) by IARC [Diethanolamine]. Classified None. by OSHA [Isopropyl alcohol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Isopropyl alcohol]. Classified None. by OSHA, None. by NIOSH [Methanol].
Mutagenic effects Classified None. for humans [Isopropyl alcohol].
Teratogenic effects: Not available.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Distillates (Petroleum), Hydrotreated Light	Oncorhynchus mykiss (LC50)	96 hour(s)	2.9 mg/l
Diethanolamine	Pimephales promelas (LC50)	96 hour(s)	100 mg/l
	Daphnia magna (LC50)	96 hour(s)	100 mg/l
	Pimephales promelas (LC50)	96 hour(s)	>100 mg/l
	Daphnia magna (LC50)	96 hour(s)	>100 mg/l
	Pimephales promelas (LC50)	96 hour(s)	1370 mg/l
	Pimephales promelas (LC50)	96 hour(s)	1480 mg/l

- Environmental precautions** : No known significant effects or critical hazards.
- Products of degradation** : These products are carbon oxides and water
- Toxicity of the products of biodegradation** : The product itself and its products of degradation are not toxic.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

Regulatory information

UN/ IMDG/IATA DOT/TDG : Not regulated.

15 . Regulatory information

United States

HCS Classification : Irritating material

U.S. Federal regulations : TSCA 8(a) PAIR: Decamethylcyclpentasiloxane; Trade secret
TSCA 8(b) inventory: All components listed.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Diethanolamine; Isopar M
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Diethanolamine: Immediate (acute) health hazard; Isopar M: Delayed (chronic) health hazard
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: Methanol
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

	Product name	CAS number	Concentration
Form R - Reporting requirements	: Diethanolamine	111-42-2	1 - 5
Supplier notification	: Diethanolamine	111-42-2	1 - 5

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations : Rhode Island RTK hazardous substances: Methanol
Pennsylvania RTK: Diethanolamine: (environmental hazard, generic environmental hazard); Methanol: (environmental hazard, generic environmental hazard); Silica crystalline, quartz: (generic environmental hazard); Isopropyl alcohol: (environmental hazard, generic environmental hazard)
Florida: Methanol
Minnesota: Methanol
Massachusetts RTK: Diethanolamine; Methanol; Silica crystalline, quartz; Isopropyl alcohol
New Jersey: Diethanolamine; Methanol; Silica crystalline, quartz; Isopropyl alcohol
New Jersey spill list: Methanol

WARNING: This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Silica crystalline, quartz	Yes.	No.	No.	No.

Canada

WHMIS (Canada)

: Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).



CEPA DSL: All components listed.

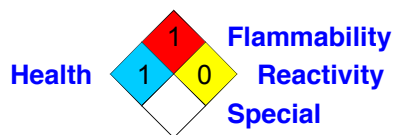
CEPA NDSL: C10-16 Alkenes

Canadian NPRI: Methanol

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM -018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1 and NOM -018-STPS-2000.

Mexico**Classification**

:

**HAZARD RATINGS**

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

International lists

: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information**Label requirements (U.S.A.)**

: CAUSES SEVERE EYE IRRITATION.
CAUSES RESPIRATORY TRACT AND SKIN IRRITATION.

Hazardous Material Information System (U.S.A.)

:

HMIS RATING

Health	1
Fire hazard	1
Physical Hazard	0
Personal protection	B

HAZARD RATINGS

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal
See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.)

:

**References**

: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

Date of issue

: 10/30/2006

Version

: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet

Serious Shine

1 . Product and company identification

Common name	: Serious Shine	
Material uses	: Cleaner and polish for fiberglass, glass, mirror, and most painted and solid surfaces.	
Supplier	: Shurhold Industries 3119 SW 42nd Avenue Palm City, Florida 34990-5558 Toll free : 800-962-6241 Tel : (772) 287-1313 Fax : (772) 286-9620 Email : info@Shurhold.com	
Manufacturer	: Contact the supplier.	
In case of emergency	: CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887	
MSDS authored by:	: Kemika XXI Inc. + 1-450-435-7475	10/30/2006

2 . Hazards identification

Physical state	: Liquid. (Aerosol.)
Odor	: Petroleum. (Slight.)
Hazard status	: This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview	: WARNING ! CONTENTS UNDER PRESSURE. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL WHICH CAUSES DAMAGE TO TARGET ORGANS. Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. Do not puncture or incinerate container. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eyes	: Irritating to eyes.
Skin	: Irritating to skin.
Inhalation	: Irritating to respiratory system.
Ingestion	: No known significant effects or critical hazards.
Potential chronic health effects	: Carcinogenic effects Classified None. by OSHA [Isopropyl alcohol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Isopropyl alcohol]. Mutagenic effects Classified None. for humans [Isopropyl alcohol]. Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure	: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to the substance can produce target organ damage.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
Stoddard Solvent	8052-41-3	5 - 10
Propane	74-98-6	5 - 10
Isopropyl alcohol	67-63-0	1 - 5
n-Butane	106-97-8	1 - 5

Canada

Name	CAS number	%
Stoddard Solvent	8052-41-3	5 - 10
Propane	74-98-6	5 - 10
Isopropyl alcohol	67-63-0	1 - 5
n-Butane	106-97-8	1 - 5

Mexico

Name	UN number	IDLH	Classification				CAS number	%
			H	F	R	Special		
Stoddard Solvent	UN1268	20000 mg/m ³	1	2	0		8052-41-3	5 - 10
Propane	UN1978	2100 ppm	1	4	0		74-98-6	5 - 10
Isopropyl alcohol	UN1219	2000 ppm	1	2	0		67-63-0	1 - 5
n-Butane	UN1011	-	0	4	0		106-97-8	1 - 5

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : Non-flammable.
- Products of combustion** : These products are carbon oxides.
- Extinguishing media**
 - Suitable** : Use dry chemical, carbon dioxide, water spray (fog) or foam.
 - Not suitable** : Do not use water jet.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Do not puncture or incinerate container. Wash thoroughly after handling.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

8 . Exposure controls/personal protection

United States

Product name

Stoddard Solvent

Exposure limits

ACGIH TLV (United States, 1/2005).

TWA: 525 mg/m³ 8 hour(s). Form: All forms.

TWA: 100 ppm 8 hour(s). Form: All forms.

NIOSH REL (United States, 12/2001).

CEIL: 1800 mg/m³ 15 minute(s). Form: All forms.

TWA: 350 mg/m³ 10 hour(s). Form: All forms.

OSHA PEL (United States, 8/1997).

TWA: 2900 mg/m³ 8 hour(s). Form: All forms.

TWA: 500 ppm 8 hour(s). Form: All forms.

Propane

ACGIH TLV (United States, 1/2005).

TWA: 1000 ppm 8 hour(s). Form: All forms.

NIOSH REL (United States, 12/2001).

TWA: 1800 mg/m³ 10 hour(s). Form: All forms.

TWA: 1000 ppm 10 hour(s). Form: All forms.

OSHA PEL (United States, 8/1997).

TWA: 1800 mg/m³ 8 hour(s). Form: All forms.

TWA: 1000 ppm 8 hour(s). Form: All forms.

Isopropyl alcohol

ACGIH TLV (United States, 1/2005).

STEL: 400 ppm 15 minute(s). Form: All forms.

TWA: 200 ppm 8 hour(s). Form: All forms.

NIOSH REL (United States, 12/2001).

STEL: 1225 mg/m³ 15 minute(s). Form: All forms.

STEL: 500 ppm 15 minute(s). Form: All forms.

TWA: 980 mg/m³ 10 hour(s). Form: All forms.

TWA: 400 ppm 10 hour(s). Form: All forms.

OSHA PEL (United States, 8/1997).

TWA: 980 mg/m³ 8 hour(s). Form: All forms.

TWA: 400 ppm 8 hour(s). Form: All forms.

n-Butane

ACGIH TLV (United States, 1/2005).

TWA: 1000 ppm 8 hour(s). Form: All forms.

NIOSH REL (United States, 12/2001).

TWA: 1900 mg/m³ 10 hour(s). Form: All forms.

TWA: 800 ppm 10 hour(s). Form: All forms.

OSHA PEL 1989 (United States, 3/1989).

TWA: 1900 mg/m³ 8 hour(s). Form: All forms

Canada

Product name

Stoddard Solvent

Propane

Isopropyl alcohol

n-Butane

Exposure limits

ACGIH TLV (United States, 1/2005).

TWA: 525 mg/m³ 8 hour(s). Form: All forms.

TWA: 100 ppm 8 hour(s). Form: All forms.

ACGIH TLV (United States, 1/2005).

TWA: 1000 ppm 8 hour(s). Form: All forms.

ACGIH TLV (United States, 1/2005).

STEL: 400 ppm 15 minute(s). Form: All forms.

TWA: 200 ppm 8 hour(s). Form: All forms.

ACGIH TLV (United States, 1/2005).

TWA: 1000 ppm 8 hour(s). Form: All forms

Mexico

Product name

Stoddard Solvent

Propane

Isopropyl alcohol

n-Butane

Exposure limits

NOM-010-STPS (Mexico, 9/2000).

CCT: 1050 mg/m³ 15 minute(s). Form: All forms.

CCT: 200 ppm 15 minute(s). Form: All forms.

CPT: 523 mg/m³ 8 hour(s). Form: All forms.

CPT: 100 ppm 8 hour(s). Form: All forms.

ACGIH TLV (United States, 1/2005).

TWA: 1000 ppm 8 hour(s). Form: All forms.

Simple asphyxiant.

NOM-010-STPS (Mexico, 9/2000). Skin

CCT: 1225 mg/m³ 15 minute(s). Form: All forms.

CCT: 500 ppm 15 minute(s). Form: All forms.

CPT: 980 mg/m³ 8 hour(s). Form: All forms.

CPT: 400 ppm 8 hour(s). Form: All forms.

NOM-010-STPS (Mexico, 9/2000).

CPT: 1900 mg/m³ 8 hour(s). Form: All forms

CPT: 800 ppm 8 hour(s). Form: All forms

Engineering measures

- : Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Personal protection

Eyes

- : Safety glasses.

Skin

- : Lab coat.

Respiratory

- : A respirator is not needed under normal and intended conditions of product use.

Hands

- : Natural rubber (latex).



HMIS Code/Personal protective equipment

- : B

- Personal protection in case of a large spill** : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

- Physical state** : Liquid. (Aerosol.)
- Auto-ignition temperature** : The lowest known value is 232.22°C (450°F) (Stoddard Solvent).
- Odor** : Petroleum. (Slight.)
- pH** : Neutral.
- Boiling/condensation point** : Weighted average: 105.03°C (221.1°F)
- Melting/freezing point** : Weighted average: -2.03°C (28.3°F)
- Relative density** : 0.916 (Water = 1)
- Vapor pressure** : Weighted average: 2.35 kPa (17.63 mm Hg) (at 20°C)
- Vapor density** : Weighted average: 0.65 (Air = 1)
- Volatility** : 95.89% (w/w)
- Evaporation rate** : Weighted average: 0.39 compared with Butyl acetate.
- VOC** : 1795 (g/l).
- Solubility** : Miscible in water.

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive with oxidizing materials and acids.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : May be combustible at high temperature.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test	Result	Route	Species
Isopropyl alcohol	LD50	5045 mg/kg	Oral	Rat
	LD50	6410 mg/kg	Oral	Rabbit
	LD50	3600 mg/kg	Oral	Mouse
	LD50	12800 mg/kg	Dermal	Rabbit
	LC50	16000 ppm (8 hour(s))	Inhalation	Rat
n-Butane	LC50	658 mg/l (4 hour(s))	Inhalation	Rat

Acute Effects

- Eyes** : Irritating to eyes.
- Skin** : Irritating to skin.
- Inhalation** : Irritating to respiratory system.
- Ingestion** : No known significant effects or critical hazards.
- Potential chronic health effects** : Carcinogenic effects Classified None. by OSHA [Isopropyl alcohol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Isopropyl alcohol].
Mutagenic effects Classified None. for humans [Isopropyl alcohol].
Teratogenic effects: Not available.
- Target organs** : Contains material which causes damage to the following organs: kidneys, the nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Isopropyl alcohol	Pimephales promelas (EC50)	48 hour(s)	10000 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>1400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	6550 mg/l
	Pimephales promelas (LC50)	96 hour(s)	9640 mg/l
	Pimephales promelas (LC50)	96 hour(s)	10400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	11130 mg/l



- Environmental precautions** : No known significant effects or critical hazards.
- Products of degradation** : These products are carbon oxides and water.
- Toxicity of the products of biodegradation** : The product itself and its products of degradation are not toxic.

13 . Disposal considerations

- Waste disposal** : Do not puncture or incinerate container. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

NAERG : 126

Regulatory information	Proper shipping name	Class	UN number	PG	Label
UN / IMDG / IATA Classification	AEROSOLS	2.2	UN1950	-	
DOT Classification	ORM-D			-	
TDG Classification	AEROSOLS	2.2	UN1950	-	
Additional information	UN	IMDG	IATA	DOT	TDG
	-	-	Forbidden	-	-

15 . Regulatory information

United States

- HCS Classification** : Compressed gas
Irritating material
Target organ effects

- U.S. Federal regulations** : TSCA : All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Stoddard Solvent; Propane; Isopropyl alcohol; n-Butane
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Stoddard Solvent: Fire hazard, Immediate (acute) health hazard; Propane: Fire hazard, Sudden release of pressure; Isopropyl alcohol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard; n-Butane: Fire hazard, Sudden release of pressure

Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: No products were found.
 Clean Air Act (CAA) 112 accidental release prevention: Propane; n-Butane
 Clean Air Act (CAA) 112 regulated flammable substances: Propane; n-Butane
 Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

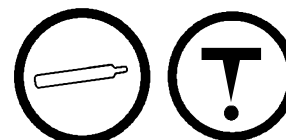
	Product name	CAS number	Concentration
Form R - Reporting requirements	: Isopropyl alcohol	67-63-0	1 - 5
Supplier notification	: Isopropyl alcohol	67-63-0	1 - 5

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations : Pennsylvania RTK: Stoddard Solvent: (generic environmental hazard); Propane: (generic environmental hazard); Isopropyl alcohol: (environmental hazard, generic environmental hazard); n-Butane: (generic environmental hazard)
 Massachusetts RTK: Stoddard Solvent; Propane; Isopropyl alcohol; n-Butane
 New Jersey: Stoddard Solvent; Propane; Isopropyl alcohol; n-Butane
 California prop. 65: No products were found.

Canada

WHMIS (Canada) : Class A: Compressed gas.
 Class D-2B: Material causing other toxic effects (Toxic).



DSL : All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM -018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1 and NOM -018-STPS-2000.

Mexico

Classification :



HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Label requirements (U.S.A.) : CONTENTS UNDER PRESSURE.
 CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
 CONTAINS MATERIAL WHICH CAUSES DAMAGE TO TARGET ORGANS.

Hazardous Material Information System (U.S.A.) :

HMIS RATING

Health	*	1
Fire hazard		1
Physical Hazard		0
Personal protection		B

HAZARD RATINGS

- 4- Extreme
 - 3- Serious
 - 2- Moderate
 - 1- Slight
 - 0- Minimal
- See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :



References

- : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

Date of issue

: 10/30/2006

Version

: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet

Serious Marine Cleaner (SMC) Concentrate

Directions for proper use: dilute 1 part of product in 4 parts of water. When used, in diluted water solution, this product is non-hazardous.

1 . Product and company identification

Common name	: Serious Marine Cleaner (SMC) Concentrate	
Material uses	: Serious Marine Cleaner is a concentrate that has been designed to clean a multitude of surfaces including fiberglass, vinyl, carpet, rubber, teak and acrylic canvas.	
Supplier	: Shurhold Industries 3119 SW 42nd Avenue Palm City, Florida 34990-5558 Toll free : 800-962-6241 Tel : (772) 287-1313 Fax : (772) 286-9620 Email : info@Shurhold.com	
Manufacturer	: Contact the supplier.	
In case of emergency	: CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887	
MSDS authored by:	: Kemika XXI Inc. + 1-450-435-7475	10/30/2006

2 . Hazards identification

Physical state	: Liquid.
Odor	: Citrus.
Color	: Blue-Green.
Hazard status	: This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview	: DANGER ! CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF SWALLOWED. When used, in diluted water solution, this product is non-hazardous. Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin. May cause sensitization by skin contact.
Inhalation	: Corrosive to the respiratory system.
Ingestion	: May be harmful if swallowed. May cause burns to mouth, throat and stomach.
Potential chronic health effects	: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure	: Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

See toxicological information (section 11)

**Directions for proper use: dilute 1 part of product in 4 parts of water.
When used, in diluted water solution, this product is non-hazardous.**

3 . Composition/information on ingredients

United States

Name	CAS number	%
Sodium Xylene Sulfonate	1330-72-7	1 - 5
Ethylene oxide-nonylphenol polymer	9016-45-9	1 - 5
3-Butoxypropan-2-ol	5131-66-8	1 - 5
Tetrasodium EDTA	64-02-8	1 - 5
Sodium hydroxide	1310-73-2	1 - 5
Sodium Silicate	1344-09-8	1 - 5

Canada

Name	CAS number	%
Ethylene oxide-nonylphenol polymer	9016-45-9	1 - 5
3-Butoxypropan-2-ol	5131-66-8	1 - 5
Tetrasodium EDTA	64-02-8	1 - 5
Sodium hydroxide	1310-73-2	1 - 5
Sodium Silicate	1344-09-8	1 - 5

Mexico

Name	UN number	IDLH	Classification				CAS number	%
			H	F	R	Special		
3-Butoxypropan-2-ol	Not regulated.	-	2	2	0		5131-66-8	1 - 5
Ethylene oxide-nonylphenol polymer	Not regulated.	-	1	1	0		9016-45-9	1 - 5
Sodium Xylene Sulfonate	Not regulated.	-	1	0	0		1330-72-7	1 - 5
Tetrasodium EDTA	Not regulated.	-	1	0	0		64-02-8	1 - 5
Sodium Silicate	Not regulated.	-	1	0	0		1344-09-8	1 - 5
Sodium hydroxide	UN1823	10 mg/m ³	3	0	0		1310-73-2	1 - 5

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention immediately.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

Directions for proper use: dilute 1 part of product in 4 parts of water.
When used, in diluted water solution, this product is non-hazardous.

5 . Fire-fighting measures

Flammability of the product : Non-flammable.

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.
No specific hazard.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

Handling : Do not ingest. Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

United States

Product name

Sodium hydroxide

Exposure limits

ACGIH TLV (United States, 1/2005).

CEIL: 2 mg/m³ Form: All forms.

NIOSH REL (United States, 12/2001).

CEIL: 2 mg/m³ Form: All forms.

OSHA PEL (United States, 8/1997).

TWA: 2 mg/m³ 8 hour(s). Form: All forms.

Canada

Product name

Sodium hydroxide

Exposure limits

CSST (Canada, 2001).

TWA: 2 mg/m³ 8 hour(s).

Mexico

Product name

Sodium hydroxide

Exposure limits

NOM-010-STPS (Mexico, 9/2000).

LMPE-P: 2 mg/m³ Form: All forms

Engineering measures : Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Directions for proper use: dilute 1 part of product in 4 parts of water.
When used, in diluted water solution, this product is non-hazardous.**

Personal protection

- Eyes** : Splash goggles.
- Skin** : Synthetic apron.
- Respiratory** : Vapor respirator.
- Hands** : Nitrile gloves.



HMIS Code/Personal protective equipment : J

Personal protection in case of a large spill : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

- Physical state** : Liquid.
- Color** : Blue-Green.
- Odor** : Citrus.
- pH** : 12.8 [Basic.]
- Boiling/condensation point** : 100°C (212°F)
- Melting/freezing point** : Weighted average: -5.93°C (21.3°F)
- Relative density** : 1.07 (Water = 1)
- Vapor pressure** : Weighted average: 2.17 kPa (16.28 mm Hg) (at 20°C)
- Vapor density** : Weighted average: 0.87 (Air = 1)
- Evaporation rate** : <1 (Ethylene oxide-nonylphenol polymer) compared with Ether (anhydrous).
- Solubility** : Easily soluble in cold water, hot water, methanol, acetone.

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Highly reactive or incompatible with the following materials: acids and moisture. Reactive with oxidizing materials.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : None known.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test	Result	Route	Species
Ethylene oxide-nonylphenol polymer 3-Butoxypropan-2-ol	LD50	1310 mg/kg	Oral	Rat
	LD50	3300 mg/kg	Oral	Rat
	LD50	3100 mg/kg	Dermal	Rabbit
Sodium Silicate	LD50	1960 mg/kg	Oral	Rat
	LD50	>4640 mg/kg	Dermal	Rabbit

Acute Effects

- Eyes** : Corrosive to eyes.

Serious Marine Cleaner (SMC) Concentrate

**Directions for proper use: dilute 1 part of product in 4 parts of water.
When used, in diluted water solution, this product is non-hazardous.**

- Skin** : Corrosive to the skin. May cause sensitization by skin contact.
- Inhalation** : Corrosive to the respiratory system.
- Ingestion** : May be harmful if swallowed. May cause burns to mouth, throat and stomach.
- Potential chronic health effects** : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic effects: Not available.
Teratogenic effects: Not available.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Ethylene oxide-nonylphenol polymer	Lepomis macrochirus (LC50)	96 hour(s)	1.3 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	4.7 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	7.6 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	7.9 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>10 mg/l
Tetrasodium EDTA	Lepomis macrochirus (LC50)	96 hour(s)	>1000 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	486 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1030 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	2070 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	3092 mg/l




- Environmental precautions** : No known significant effects or critical hazards.
- Products of degradation** : These products are carbon oxides and water, nitrogen oxides. Some metallic oxides.
- Toxicity of the products of biodegradation** : The products of degradation are less toxic than the product itself.

13 . Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

NAERG : 153

Regulatory information	Proper shipping name	Class	UN number	PG	Label
UN / IMDG / IATA Classification	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)	8	UN3267	III	
DOT Classification	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)	8	UN3267	III	
TDG Classification	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Sodium hydroxide)	8	UN3267	III	

Serious Marine Cleaner (SMC) Concentrate

Directions for proper use: dilute 1 part of product in 4 parts of water.
When used, in diluted water solution, this product is non-hazardous.

Additional information

UN	IMDG	IATA	DOT	TDG
EXEMPTED: For container of 1 gallon or less.	EXEMPTED: For container of 1 gallon or less.	EXEMPTED: For container of 1 gallon or less.	EXEMPTED: For container of 1 gallon or less.	EXEMPTED: For container of 1 gallon or less.

15 . Regulatory information

United States

HCS Classification

: Corrosive material
Sensitizing material
Target organ effects

U.S. Federal regulations

: TSCA 8(a) PAIR: Ethylene oxide-nonylphenol polymer; Acetaldehyde
TSCA 8(b) inventory: All components listed.
TSCA 8(d) H and S data reporting: 3-Butoxypropan-2-ol: 1994
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: Tetrasodium EDTA; Sodium hydroxide
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
Tetrasodium EDTA: Immediate (acute) health hazard; Sodium hydroxide: Immediate (acute) health hazard
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: Sodium hydroxide; Sodium hydroxide; Formaldehyde; Acetaldehyde
Clean Air Act (CAA) 112 accidental release prevention: Formaldehyde; Acetaldehyde
Clean Air Act (CAA) 112 regulated flammable substances: Acetaldehyde
Clean Air Act (CAA) 112 regulated toxic substances: Formaldehyde

State regulations

: Connecticut carcinogen reporting list.: Formaldehyde
Rhode Island RTK hazardous substances: Formaldehyde
Pennsylvania RTK: Sodium hydroxide: (environmental hazard, generic environmental hazard); Sodium hydroxide: (environmental hazard, generic environmental hazard); 1,4-Dioxane: (special hazard, environmental hazard, generic environmental hazard); Formaldehyde: (special hazard, environmental hazard, generic environmental hazard); Acetaldehyde: (environmental hazard, generic environmental hazard)
Florida: Formaldehyde
Minnesota: Formaldehyde
Michigan critical material: Formaldehyde
Massachusetts RTK: Sodium hydroxide; Glycine, n,n-bis(carboxymethyl)-, trisodium salt; Sodium hydroxide; 1,4-Dioxane; Formaldehyde; Acetaldehyde
New Jersey: Sodium hydroxide; Sodium hydroxide; 1,4-Dioxane; Formaldehyde; Acetaldehyde
Louisiana RTK reporting list: Formaldehyde
WARNING: This product contains a chemical known to the State of California to cause cancer.

Ingredient name

Cancer

Reproductive

No significant risk level

Maximum acceptable dosage level

1,4-Dioxane
Acetaldehyde
Formaldehyde

Yes.
Yes.
Yes.

No.
No.
No.

Yes.
90 µg/day (inhalation)
Yes.

No.
No.
No.

Canada

WHMIS (Canada)

: Class D-2B: Material causing other toxic effects (Toxic).
Class E: Corrosive material



Serious Marine Cleaner (SMC) Concentrate

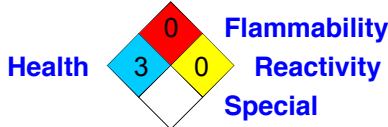
Directions for proper use: dilute 1 part of product in 4 parts of water.
When used, in diluted water solution, this product is non-hazardous.

CEPA DSL: All components listed.

CEPA NDSL: Glycine, n,n'-1,2-ethanediybis-, disodium salt

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM -018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1 and NOM -018-STPS-2000.

Mexico
Classification :



HAZARD RATINGS
4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Label requirements (U.S.A.) : CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY BE HARMFUL IF SWALLOWED.

When used, in diluted water solution, this product is non-hazardous.

Hazardous Material Information System (U.S.A.) :

HMIS RATING	
Health	3
Fire hazard	0
Physical Hazard	0
Personal protection	J

HAZARD RATINGS
4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal
See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :



References : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

Date of issue : 10/30/2006
Version : 1

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Material Safety Data Sheet

Serious Marine Cleaner (SMC)

1 . Product and company identification

Common name	: Serious Marine Cleaner (SMC)	
Material uses	: Serious Marine Cleaner is a concentrate that has been designed to clean a multitude of surfaces including fiberglass, vinyl, carpet, rubber, teak and acrylic canvas.	
Supplier	: Shurhold Industries 3119 SW 42nd Avenue Palm City, Florida 34990-5558 Toll free : 800-962-6241 Tel : (772) 287-1313 Fax : (772) 286-9620 Email : info@Shurhold.com	
Manufacturer	: Contact the supplier.	
In case of emergency	: CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887	
MSDS authored by:	: Kemika XXI Inc. + 1-450-435-7475	10/30/2006

2 . Hazards identification

Physical state	: Liquid.
Odor	: Citrus.
Color	: Blue-Green.
Hazard status	: This material is classified hazardous under OSHA regulations in the United States, the WHMIS Controlled Product Regulation in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview	: WARNING! MAY BE HARMFUL IF SWALLOWED. Do not ingest. Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry	: Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	
Eyes	: Moderately irritating to eyes.
Skin	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: May be harmful if swallowed.
Potential chronic health effects	: Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: Not available. Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure	: Repeated or prolonged exposure is not known to aggravate any medical condition.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
Sodium Xylene Sulfonate	1330-72-7	0.5 - 1
Ethylene oxide-nonylphenol polymer	9016-45-9	0.5 - 1
3-Butoxypropan-2-ol	5131-66-8	0.5 - 1

Canada

Name	CAS number	%
Ethylene oxide-nonylphenol polymer	9016-45-9	0.5 - 1
3-Butoxypropan-2-ol	5131-66-8	0.5 - 1

Mexico

Name	UN number	IDLH	Classification				CAS number	%
			H	F	R	Special		
3-Butoxypropan-2-ol	Not regulated.	-	2	2	0	5131-66-8	0.5 - 1	
Ethylene oxide-nonylphenol polymer	Not regulated.	-	1	1	0	9016-45-9	0.5 - 1	
Sodium Xylene Sulfonate	Not regulated.	-	1	0	0	1330-72-7	0.5 - 1	

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : Non-flammable.
- Extinguishing media**
 - Suitable** : Use an extinguishing agent suitable for the surrounding fire.
 - Not suitable** : None known.
No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

- Handling** : Do not ingest. Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protection

- Eyes** : Safety glasses.
- Skin** : Lab coat.
- Respiratory** : A respirator is not needed under normal and intended conditions of use.
- Hands** : Natural rubber (latex).



- HMIS Code/Personal protective equipment** : B

Personal protection in case of a large spill : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

- Physical state** : Liquid.
- Color** : Blue-Green.
- Odor** : Citrus.
- pH** : <11 [Basic.]
- Boiling/condensation point** : 100°C (212°F)
- Melting/freezing point** : Weighted average: -5.93°C (21.3°F)
- Relative density** : 1.07 (Water = 1)
- Vapor pressure** : Weighted average: 2.17 kPa (16.28 mm Hg) (at 20°C)
- Vapor density** : Weighted average: 0.87 (Air = 1)
- Evaporation rate** : <1 (Ethylene oxide-nonylphenol polymer) compared with Ether (anhydrous).
- Solubility** : Miscible in water.

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive with oxidizing materials.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : None known.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test	Result	Route	Species
Ethylene oxide-nonylphenol polymer	LD50	1310 mg/kg	Oral	Rat
3-Butoxypropan-2-ol	LD50	3300 mg/kg	Oral	Rat
	LD50	3100 mg/kg	Dermal	Rabbit

Acute Effects

- Eyes** : Moderately irritating to eyes.
- Skin** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : May be harmful if swallowed.
- Potential chronic health effects** : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic effects: Not available.
Teratogenic effects: Not available.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Ethylene oxide-nonylphenol polymer	Lepomis macrochirus (LC50)	96 hour(s)	1.3 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	4.7 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	7.6 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	7.9 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>10 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>1000 mg/l

- Environmental precautions** : No known significant effects or critical hazards.
- Products of degradation** : These products are carbon oxides and water.
- Toxicity of the products of biodegradation** : The products of degradation are less toxic than the product itself.

13 . Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

NAERG : Not applicable.

Regulatory information

UN/ IMDG/IATA DOT/TDG : Not regulated.

15 . Regulatory information

United States

- HCS Classification** : Non hazardous.
- U.S. Federal regulations** : TSCA 8(a) PAIR: Ethylene oxide-nonylphenol polymer; Acetaldehyde
 TSCA 8(b) inventory: All components listed.
 TSCA 8(d) H and S data reporting: 3-Butoxypropan-2-ol: 1994
 SARA 302/304/311/312 extremely hazardous substances: No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
 Clean Water Act (CWA) 307: No products were found.
 Clean Water Act (CWA) 311: Sodium hydroxide; Sodium hydroxide; Formaldehyde; Acetaldehyde
 Clean Air Act (CAA) 112 accidental release prevention: Formaldehyde; Acetaldehyde
 Clean Air Act (CAA) 112 regulated flammable substances: Acetaldehyde
 Clean Air Act (CAA) 112 regulated toxic substances: Formaldehyde

State regulations

- : Connecticut carcinogen reporting list.: Formaldehyde
 Rhode Island RTK hazardous substances: Formaldehyde
 Pennsylvania RTK: Sodium hydroxide: (environmental hazard, generic environmental hazard); Sodium hydroxide: (environmental hazard, generic environmental hazard); 1,4-Dioxane: (special hazard, environmental hazard, generic environmental hazard); Formaldehyde: (special hazard, environmental hazard, generic environmental hazard); Acetaldehyde: (environmental hazard, generic environmental hazard)
 Florida: Formaldehyde
 Minnesota: Formaldehyde
 Michigan critical material: Formaldehyde
 Massachusetts RTK: Sodium hydroxide; Glycine, n,n-bis(carboxymethyl)-, trisodium salt; Sodium hydroxide; 1,4-Dioxane; Formaldehyde; Acetaldehyde
 New Jersey: Sodium hydroxide; Sodium hydroxide; 1,4-Dioxane; Formaldehyde; Acetaldehyde
 Louisiana RTK reporting list: Formaldehyde
WARNING: This product contains a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
1,4-Dioxane	Yes.	No.	Yes.	No.
Acetaldehyde	Yes.	No.	90 µg/day (inhalation)	No.
Formaldehyde	Yes.	No.	Yes.	No.

Canada

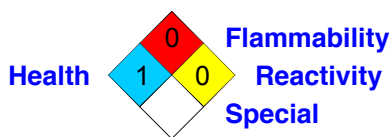
- WHMIS (Canada)** : Not controlled under WHMIS (Canada).
 CEPA DSL: All components listed.

CEPA NDSL: Glycine, n,n'-1,2-ethanediybis-, disodium salt

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM -018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1 and NOM -018-STPS-2000.

Mexico

Classification :



HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Label requirements (U.S.A.) : MAY BE HARMFUL IF SWALLOWED.

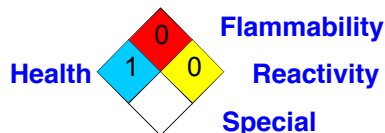
Hazardous Material Information System (U.S.A.) :

HMIS RATING	
Health	1
Fire hazard	0
Physical Hazard	0
Personal protection	B

HAZARD RATINGS

- 4- Extreme
 - 3- Serious
 - 2- Moderate
 - 1- Slight
 - 0- Minimal
- See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :



References : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

Date of issue : 10/30/2006
Version : 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet

Snap-Stick

1 . Product and company identification

Common name : Snap-Stick
Material uses : To lubricate and protect snaps and zippers.
Supplier : Shurhold Industries
3119 SW 42nd Avenue
Palm City, Florida 34990-5558
Toll free : 800-962-6241
Tel : (772) 287-1313
Fax : (772) 286-9620
Email : info@Shurhold.com
Manufacturer : Contact the supplier.
In case of emergency : CHEMTREC, U.S. Domestic: (800) 424-9300
CHEMTREC, International: (703) 527-3887
MSDS authored by: : Kemika XXI Inc. + 1-450-435-7475 11/30/2006

2 . Hazards identification

Physical state : Solid.
Odor : Odorless.
Color : White.
Hazard status : This material is classified as not hazardous under OSHA regulations in the United States, the WHMIS in Canada and the NOM-018-STPS-2000 in Mexico.
Emergency overview : No specific hazard.
USE WITH CARE.
Follow good industrial hygiene practice.
Routes of entry : Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects
Eyes : Slightly irritating to the eyes.
Skin : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Potential chronic health effects : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic effects: Not available.
Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure : Repeated exposure of the eyes to a low level of dust can produce eye irritation.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
Mineral Oil	8042-47-5	5 - 10

Canada

Name	CAS number	%
Mineral Oil	8042-47-5	5 - 10

Mexico

Name	UN number	IDLH	Classification				CAS number	%
			H	F	R	Special		
Mineral Oil	Not regulated.	-	0	1	0		8042-47-5	5 - 10

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Get medical attention if symptoms occur.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

7 . Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection**United States****Product name**

Mineral Oil

Exposure limits**ACGIH TLV (United States).**STEL: 10 mg/m³ 15 minute(s). Form: MistTLV: 5 mg/m³ Form: Mist

Canada**Product name**

Mineral Oil

Exposure limits**ACGIH TLV (Canada).**STEL: 10 mg/m³ 15 minute(s). Form: MistTLV: 5 mg/m³ Form: Mist**Mexico****Product name**

Mineral Oil

Exposure limits**ACGIH TLV (United States).**STEL: 10 mg/m³ 15 minute(s). Form: MistTLV: 5 mg/m³ Form: Mist

Engineering measures : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Personal protection**Eyes**

: Safety glasses.

Skin

: Lab coat.

Respiratory

: A respirator is not needed under normal and intended conditions of use.

Hands

: Disposable vinyl gloves.

**HMIS Code/Personal protective equipment**

: A

Personal protection in case of a large spill

: Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Hygiene measures

: Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties**Physical state**

: Solid.

Flash point

: The lowest known value is Closed cup: 232°C (449.6°F). (Paraffin wax)

Color

: White.

Odor

: Odorless.

Melting/freezing point

: 40 to 50°C (104 to 122°F)

Relative density

: Weighted average: 0.83 (Water = 1)

Vapor pressure

: The highest known value is <1e-005 kPa (<0.0001 mm Hg) (at 20°C) (Paraffin wax).

Vapor density

: The highest known value is >1 (Air = 1) (Paraffin wax).

Evaporation rate

: <1 (Paraffin wax) compared with Ether (anhydrous).

Solubility

: Insoluble in cold water, hot water.

10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive with oxidizing materials.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : Not available.

11 . Toxicological information

Acute Effects

- Eyes** : Slightly irritating to the eyes.
- Skin** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Potential chronic health effects** : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic effects: Not available.
Teratogenic effects: Not available.

12 . Ecological information

- Environmental precautions** : No known significant effects or critical hazards.
- Products of degradation** : Not available.

13 . Disposal considerations

- Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

Regulatory information

UN/ IMDG/IATA DOT/TDG : Not regulated.

15 . Regulatory information

United States

- HCS Classification** : Not regulated.
- U.S. Federal regulations** : TSCA : All components listed.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.
- State regulations** : Not available.

California prop. 65: No products were found.

Canada

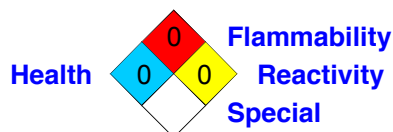
WHMIS (Canada) : Not regulated.

DSL : All components listed.

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Mexico

Classification :



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4- Extreme
3- Serious
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16 . Other information

Label requirements (U.S.A.) : USE WITH CARE.

Hazardous Material Information System (U.S.A.) :

HMIS RATING

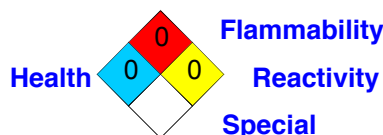
Health	0
Fire hazard	0
Physical Hazard	0
Personal protection	A

HAZARD RATINGS

4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.) :



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Date of issue : 11/30/2006

Version : 1

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