

GraphLine Inc.[®]

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MATERIAL SAFETY DATA SHEET

IN CASE OF TRANSPORTATION EMERGENCY (Spill, Leak, Fire, Exposure, Accident)
Call CHEMTREC 1-800-424-9300 (24 Hour)

SECTION 1: IDENTIFICATION

Name: GRAPHLINE SCRATCH REMOVER AND PLATE CLEANER

Revision 3/30/2009

Product Number 6018107011

Size 1 QT.

Formula Aqueous Mixture

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>C.A.S. #</u> | <u>INGREDIENTS</u> | <u>%</u> |
|-----------------|----------------------------------|----------|
| 112-80-1 | OLEIC ACID | 1- 5 |
| 50-70-4 | SORBITOL | 1- 5 |
| 64741-41-9 | Aliphatic Petroleum Distillates | 30- 50 |
| 6834-92-0 | SODIUM METASILICATE | 1- 5 |
| 68412-54-4 | BRANCHED-NONYLPHENOL, ETHOXYLATE | 1- 5 |
| 7732-18-5 | Water | 35- 45 |
| 7758-29-4 | SODIUM PHOSPHATE, TRIBASIC | 1- 5 |
| 8002-09-3 | PINE OIL | 1- 5 |

| <u>EXPOSURE LIMITS</u> | <u>OSHA</u> | | <u>ACGIH</u> | | <u>CANADA</u> | |
|----------------------------------|-------------|-------------|--------------|-------------|---------------|-------------|
| | <u>TWA</u> | <u>STEL</u> | <u>TWA</u> | <u>STEL</u> | <u>TWA</u> | <u>STEL</u> |
| OLEIC ACID | None | None | None | None | None | None |
| SORBITOL | None | None | None | None | None | None |
| Aliphatic Petroleum Distillates | None | None | None | None | None | None |
| SODIUM METASILICATE | None | None | None | None | None | None |
| BRANCHED-NONYLPHENOL, ETHOXYLATE | None | None | None | None | None | None |
| Water | None | None | None | None | None | None |
| SODIUM PHOSPHATE, TRIBASIC | None | None | None | None | None | None |
| PINE OIL | None | None | None | None | None | None |

Source of Exposure Limit Data:

OSHA: Occupational Safety and Health Administration

ACGIH: American Conference of Governmental Industrial Hygienists

CANADA: Province of Alberta's Occupational and Health and Safety Act.

ADDITIONAL EXPOSURE INFORMATION

| <u>CAS. NUMBER</u> | <u>SKIN DESIGNATION *</u> | | | <u>CARCINOGENS</u> | | | <u>PRIMARY HAZARD</u> | <u>IDLH (ppm)</u> |
|--------------------|---------------------------|--------------|---------------|--------------------|------------|-------------|-----------------------|-------------------|
| | <u>OSHA</u> | <u>ACGIH</u> | <u>CANADA</u> | <u>IARC</u> | <u>NTP</u> | <u>OSHA</u> | | |
| 112-80-1 | No | No | No | No | No | No | Not classified | None |
| 50-70-4 | No | No | No | No | No | No | Not classified | None |
| 64741-41-9 | No | No | No | No | No | No | Not classified | Unknown |
| 6834-92-0 | No | No | No | No | No | No | Not classified | None |
| 68412-54-4 | No | No | No | No | No | No | Not classified | None |
| 7732-18-5 | No | No | No | No | No | No | Not classified | None |
| 7758-29-4 | No | No | No | No | No | No | Not classified | None |
| 8002-09-3 | No | No | No | No | No | No | Not classified | None |

Observe precautions from other sections. Ventilate area. Extinguish all ignition sources. Contain spill. Cover up with absorbent material. Collect spilled material. Clean up residue. Place in U.S DOT approved container and seal. Since regulation vary, consult applicable regulations or authorities before disposal.

SARA Hazard Class: Fire Hazard = yes, Pressure= no, Reactivity= no, Acute= yes, Chronic= yes.

SECTION 7: HANDLING AND STORAGE

Keep container tightly closed. Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition.

Store away from acids. Store away from heat. Keep container dry.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Avoid eye contact. Wear unvented goggles during operation in which exposure is likely.

Avoid skin contact. Wear appropriate gloves when handling this material. Use one or more of the following personal protection items as necessary to prevent skin contact: aprons, coveralls.

Use with appropriate local exhaust ventilation. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Avoid breathing of vapors. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor and acid gas respirator, full-face organic vapor and acid gas respirator.

Do not eat, drink, or smoke when using this product. Wash exposed areas thoroughly with soap and water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling point (C) : 99

Melting point: N/D

Percent volatile by volume : 84

Evaporation rate: <1.8 (N-Butyl Acetate=1)

Specific gravity (water = 1) 1.05

Appearance : Liquid, viscous, milky white emulsion.

Volatile Organic Compounds: 28.7% by Mess 2.5 lb. p

Vapor pressure: 17 mmHG @ 68F

Vapor density: >1

Solubility in water: COMPLETE

pH: 10.5

Odor: Slight solvent or terpene odor.

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Hazardous polymerization: Will not occur

Incompatibility (materials to avoid): Strong acids, strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide and carbon dioxide, hydrocarbons, oxides of nitrogen.

SECTION 11: DISPOSAL CONSIDERATIONS

Since regulations vary, consult applicable regulations or authorities before disposal. Incinerate in an industrial or commercial facility in the presence of a combustible material. U.S. EPA Hazardous Waste Number = D001 (Ignitable).

SECTION 12: TRANSPORTATION INFORMATION

SHIPPING NAME: COMBUSTIBLE LIQUID NOS (CONTAINS: PETROLIUM DISTILLATES)

UN ID-#: 1993

PACKING GROUP: III

MAJOR CLASS: COMBUSTIBLE

PRIMARY LABEL: FLAMABLE LIQUID

MINOR CLASS: N/A

SECONDARY LABEL: N/A

REMARKS: REGULATED MATERIAL

* Reference: CFR 49, Table 172.102 (highway)

SECTION 13: REGULATORY INFORMATION

| <u>CAS. NUMBER</u> | <u>CERCLA</u> | <u>SARA-EHS</u> | <u>SARA-313</u> | <u>RCRA</u> | <u>CAL-PROP 65</u> | <u>N.J.</u> | <u>FLA.</u> |
|--------------------|---------------|-----------------|-----------------|-------------|--------------------|-------------|-------------|
| 112-80-1 | No | No | No | No | No | No | No |
| 50-70-4 | No | No | No | No | No | No | No |
| 64741-41-9 | No | No | No | No | No | No | No |
| 6834-92-0 | No | No | No | No | No | No | No |
| 68412-54-4 | No | No | No | No | No | No | No |
| 7732-18-5 | No | No | No | No | No | No | No |
| 7758-29-4 | Yes | No | No | No | No | No | No |
| 8002-09-3 | No | No | No | No | No | No | No |

* Specific CAS Number references from these regulatory tables:

CERCLA: 40 CFR. Table 302.4

SARA-EHS: 40 CFR. 355 Appendices A .B

SARA-313: 40 CFR. section 372.65

RCRA: 40 CFR. section 261.3

CAL-PROP 65: California Proposition 65, Developmental and Reproductiv

New Jersey Right to Know

Florida Right to Know

SECTION 14: OTHER INFORMATION

Comments: None

The data in this Material Safety Data form relates to the specific material designated herein and to the standard use of same in combination with other materials or processes. The hazards covered are believed to be those most likely to occur in the reasonable, contemplated, or ordinary use of these chemicals. No warranty is made or implied in respect of other hazards which may occur as a result of unreasonable, abnormal, or unusual usage, or non-standard application of these materials. The information accumulated herein is believed to be accurate, but GraphLine Inc. expressly denies any warranty to such effect. Customers or recipients are advised to confirm, in advance that the information is current, applicable and suitable to their circumstances. This information is furnished as a service only.