



SAFETY DATA SHEET

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1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: WAX STRIPPER
Product code: K49-1

Other means of identification

Synonyms No information available.

Application

Recommended Use Stripper
Uses advised against For industrial use only

Supplier/Manufacturer:

Supplier:
EPMAR Corporation
13240 E. Barton Circle
Whittier, CA 90605-3254
Phone: 562-946-8781
FAX: 562-944-9958
E-mail: she@quakerchem.com
(For Health and Safety Questions)

Emergency telephone number:

* 24 HOUR TRANSPORTATION:
**CHEMTREC: 1-800-424-9300
+703-527-3887 (Call collect outside of US)
* 24 HOUR EMERGENCY HEALTH & SAFETY:
**(800) 523-7010 (Within US only) Outside of US call (703)
527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Label Elements**Emergency Overview****DANGER****Hazard Statements**

Causes severe skin burns and eye damage
 Harmful to aquatic life with long lasting effects



Appearance Clear, colorless solution

Physical State Liquid

Odor Amine

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Avoid release to the environment

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 Specific treatment (see first aid on this label)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

Harmful to aquatic life.

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	Weight %
Monoethanolamine	141-43-5	5 - 10%
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	68921-24-4	1 - 5%
Sodium hydroxide	1310-73-2	1 - 5%
Ethylene glycol monobutyl ether	111-76-2	1 - 5%
Sodium silicate	1344-09-8	1 - 5%
Chelating Agent	Proprietary	1 - 5%
Ammonia	7664-41-7	<1%

Physico-chemical properties: Corrosive

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General advice:	Show this safety data sheet to the doctor in attendance. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician.
Eye contact:	If exposed to fumes or vapors, flush eyes with large amount of water for at least 15 minutes.
Skin contact:	Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.
Ingestion:	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Inhalation:	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
Note to physician:	Treat symptomatically.
Medical condition aggravated by exposure:	Dermatitis.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use dry chemical, CO ₂ , water spray or `alcohol` foam.
Specific hazards:	Do not allow material to contaminate ground water system.
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapour/dust. Wash thoroughly after handling

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/precautions: Provide sufficient air exchange and/or exhaust in work rooms.

Safe handling advice: In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep container tightly closed.

Storage

Technical measures/storage conditions: DO NOT FREEZE Store at room temperature in the original container

Incompatible products: Do not store near acids Strong oxidizing agents

Safe storage temperature: 60 - 80 °F

Shelf life: 6 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
Monoethanolamine	3 ppm (TWA) 6 ppm (STEL)	3ppm	3ppm
Sodium hydroxide	None	2 mg/m ³	2 mg/m ³ (Ceiling)
Ethylene glycol monobutyl ether	20 ppm (TWA)	50 ppm 240 mg/m ³	5 ppm (TWA) 24 mg/m ³ (TWA)
Ammonia	25 ppm (TWA) 35 ppm (STEL)	50 ppm 35 mg/m ³	25 ppm (TWA) 18 mg/m ³ (TWA) 35 ppm (STEL) 27 mg/m ³ (STEL)
Phosphoric Acid	1 mg/m ³ (TWA) 3 mg/m ³ (STEL)	1 mg/m ³	1 mg/m ³ (TWA) 3 mg/m ³ (STEL)

Engineering measures: Ensure adequate ventilation.

Personal Protective Equipment:

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

Eye protection: Goggles, If splashes are likely to occur, wear:, Face-shield

Hand protection: Neoprene gloves

Skin and body protection: Chemical resistant apron, Long sleeved clothing

Hygiene measures: Avoid contact with skin, eyes and clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear, colorless solution
Odor	Amine
Odor Threshold	No information available.
pH concentrate:	14
pH Dilution	No information available
Melting/freezing point	No information available
Boiling Point/Range	100 °C / 212 °F
Flash Point	No information available
Method	No information available
Evaporation rate	No information available
Flammability Limits in Air	
upper flammability limit	No information available.
lower flammability limit	No information available.
VOC Content	No information available
VOC Content Product (g/L)	115.76
Solids (% w/w):	18.1
Vapor pressure	No information available.
Vapor density	No information available.
Specific Gravity (g/cc, 15 C)	1.03
Bulk Density (lb/gal, 15 C)	8.56

Water Solubility	Completely soluble
Solubility in other solvents	No information available.
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	10 cP
Molecular Weight	No information available

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to avoid:	None known.
Materials to avoid:	Strong acids and oxidising agents.
Hazardous decomposition products:	Carbon oxides. Nitrogen oxides (nox).
Hazardous Polymerization:	Not applicable.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	Contact causes severe skin irritation and possible burns.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
Monoethanolamine	1720 mg/kg (Rat)	1 mL/kg (Rabbit) 1025 mg/kg (Rabbit)	-
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	-	-	-
Sodium hydroxide	-	1350 mg/kg (Rabbit)	-
Ethylene glycol monobutyl ether	470 mg/kg (Rat)	220 mg/kg (Rabbit) 2270 mg/kg (Rat)	2.21 mg/L (Rat) 4 h
Sodium silicate	1153 mg/kg (Rat)	4640 mg/kg (Rabbit)	-

Chelating Agent	= 1658 mg/kg (Rat) Oral LD50 Rat 1658 mg/kg (Source: NZ_CCID)	-	-
Ammonia	350 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	IARC Carcinogens	NTP	OSHA - Select Carcinogens
Monoethanolamine	Not listed	Not listed	Not listed
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	Not listed	Not listed	Not listed
Sodium hydroxide	Not listed	Not listed	Not listed
Ethylene glycol monobutyl ether	Not listed	Not listed	Not listed
Sodium silicate	Not listed	Not listed	Not listed
Chelating Agent	Not listed	Not listed	Not listed
Ammonia	Not listed	Not listed	Not listed

Sensitization No information available.

Mutagenic effects: No information available.

Reproductive Toxicity No information available.

Developmental Toxicity No information available.

Teratogenic No information available.

Specific target organ systemic toxicity (single exposure) No information available.

Specific target organ systemic toxicity (repeated exposure) No information available.

Aspiration hazard No information available.

Additional information on toxicological effects

No information available

12. ECOLOGICAL INFORMATION

Components	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
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Monoethanolamine	LC50 (Pimephales promelas - 96h) = 227 mg/L LC50 (Brachydanio rerio - 96h) = 3684 mg/L LC50 (Lepomis macrochirus - 96h) = 300-1000 mg/L LC50 (Oncorhynchus mykiss - 96h) = 114-196 mg/L	=65mg/L 15	EC50 (Daphnia magna - 48h) = 65 mg/L
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	No data	No data	No data
Sodium hydroxide	45.4	No data	No data
Ethylene glycol monobutyl ether	1490 2950	>1000mg/L	EC50 (Daphnia magna - 24h) = 1698 - 1940 mg/L EC50 (Daphnia magna - 48h) = 1000 mg/L
Sodium silicate	301 3185	No data	EC50 (Daphnia magna - 96h) = 216 mg/L
Chelating Agent	= 41 mg/L LC50 = 59.8 mg/L LC50	= 1.01 mg/L EC50	No data
Ammonia	0.26 0.73 0.44 1.17 1.19 5.9 1.5015	=25.4mg/L	LC50 (Daphnia magna - 48h) = 25.4 mg/L

2.44% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

Components	Octanol/water partition coefficient
Monoethanolamine	-
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	-
Sodium hydroxide	-
Ethylene glycol monobutyl ether	-
Sodium silicate	-
Chelating Agent	-
Ammonia	-

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

Components Sodium hydroxide
1310-73-2

US EPA Waste Number	D002
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14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

UN/NA ID Number: UN1719
Proper shipping name: Caustic Alkali Liquid, n.o.s.(sodium hydroxide and sodium silicate)
Hazard class: 8
PG: II
RQ: Sodium hydroxide, RQ kg= 22680
DOT ERG: ERG 154

TDG (CANADA):

UN nr: UN1719
Proper shipping name: Caustic Alkali Liquid, n.o.s.(sodium hydroxide and sodium silicate)
TDG Hazard Classification: 8
Packing group: II

IMDG/IMO:

UN nr: UN1719
Proper shipping name: Caustic Alkali Liquid, n.o.s.(sodium hydroxide and sodium silicate)
Class: 8
Packing group: II

IATA/ICAO:

UN nr: UN1719
Proper shipping name: Caustic Alkali Liquid, n.o.s.(sodium hydroxide and sodium silicate)
Hazard Class: 8
Packing group: II

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazard Communication Standard: This product is considered to be hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA Information:

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes
Delayed Health (Chronic): Yes
Flammability: No
Pressure: No
Reactivity: No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
Monoethanolamine	Not listed	Not listed	Not listed
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	Not listed	Not listed	Not listed
Sodium hydroxide	1000 lb	Not listed	Not listed
Ethylene glycol monobutyl ether	Not listed	Not listed	1.0 %
Sodium silicate	Not listed	Not listed	Not listed
Chelating Agent	Not listed	Not listed	Not listed
Ammonia	100 lb	500 lb	1.0 %

CERCLA/SARA 313 Emission reporting: 2 % Glycol ether (EPA Code N230)

Clean Air and Clean Water Acts:

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
Monoethanolamine	Not listed	Not listed	Not listed	Not listed
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	Not listed	Not listed	Not listed	Not listed
Sodium hydroxide	Not listed	Listed	Not listed	Not listed
Ethylene glycol monobutyl ether	Exempt	Not listed	Not listed	Not listed
Sodium silicate	Not listed	Not listed	Not listed	Not listed
Chelating Agent	Not listed	Not listed	Not listed	Not listed
Ammonia	Not listed	Listed	Not listed	Not listed

U.S. STATE REGULATIONS (RTK):

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
Monoethanolamine	Not Listed	Present	Not Listed	0835	Present
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium hydroxide	Not Listed	Environmental hazard	Not Listed	1706	Present
Ethylene glycol monobutyl ether	Not Listed	Present	Not Listed	0275	Present
Sodium silicate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Chelating Agent	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ammonia	Not Listed	Environmental hazard	Not Listed	0084	Extraordinarily hazardous

California Proposition 65 Status: May contain trace amounts of listed chemicals: diethanolamine, 1,4-dioxane, ethylene oxide, acetaldehyde.

RCRA Status: To be disposed of as characteristic hazardous waste: characteristic: Corrosive D002

CANADIAN REGULATIONS:

Canada - WHMIS Classification Information: This product has been classified according to the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

Canadian Product Classification: Class E - Corrosive Material

Product Classification Graphic(s):



Component Classification Data:

Components	WHMIS hazard class	CEPA Schedule I	Challenge Substances
Monoethanolamine	B3 E	Not Listed	Not listed
C6-12 Alkyl Alcohol Ethoxylate Phosphoric Acid	None	Not listed	Not listed
Sodium hydroxide	E	Not listed	Not listed
Ethylene glycol monobutyl ether	B3, D1A, D2B	Listed	Not listed
Sodium silicate	D2B E	Not listed	Not listed
Chelating Agent	D2B	Not listed	Not listed
Ammonia	A, B1, D1A, E	Listed	Not listed

INVENTORY STATUS:

United States TSCA - Sect. 8(b) Inventory: This product complies with TSCA

Canada DSL/NDSL Inventory List This product complies with DSL

16. OTHER INFORMATION

Sources of key data used to compile the data sheet: Material safety data sheets of the ingredients.

Prepared by: Safety, Health and Environmental Department

Revision Date: 05/26/2015

Reason for revision: New Format.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

End of Safety Data Sheet