

Material Safety Data Sheet

Plain Gel Remover

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name : Plain Gel Remover

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

| Component | CAS NO. | %by Weight(approximate) |
|----------------------|------------|----------------------------|
| H2O | 7732-18-5 | > 23 |
| Propylene Carbonate | 108-32-7 | <10 |
| Poly Ethylene Glycol | 25322-68-3 | <35 |
| Etoxy Ethanol | 110-80-5 | <10 |
| Methoxy Ethanol | 109-86-4 | <15 |
| Paraban | 99-76-3 | <0.5 |
| VINYLPOLYMER SALT | | <10 |
| color(clear) | | |

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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Appearance : colorless liquid

Potential Health Effects

Eye : May cause eye irritation.

Skin : May cause skin irritation.

Ingestion : May cause digestive tract disturbances. The toxicological properties of this

substance have not been fully investigated. May be harmful if swallowed.

Inhalation : May cause respiratory tract irritation. The toxicological properties of this

substance have not been fully investigated.

Chronic : No information found.

*additional chronic hazards present. For additional information on toxicity, please refer to Section 11.

SECTION 4 – FIRST AID MEASURES

ORAL EXPOSURE

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE

In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

SECTION 5 – FIRE FIGHTING MEASURE

FLASH POINT

140 °F 60 °C Method: closed cup

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable : For small (incipient) fires, use media such as alcohol foam, dry chemical, or carbon dioxide.

For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray ; solid streams of water may be ineffective.

Cool all affected containers with flooding quantities of water.

FIREFIGHTING

Protective Equipment : Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s) : Combustible liquid. Emits toxic fumes under fire conditions.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Handling : Keep away from heat, sparks and flame. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

Storage: Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

SECTION 7 – HANDLING AND STORAGE

Handling : Keep away from heat, sparks and flame. Wash thoroughly after handling.

Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

Storage: Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

SECTION 8 – EXPOSURE CONTROLS

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory : Use respirators and components tested and approved under appropriate government standards

such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are

appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK

(EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole

means of protection, use a full-face supplied air respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

| | |
|---------------------|-------------------|
| Physical State | Liquid |
| Color | Colorless |
| Odor | Faint Stimulative |
| pH | Not available. |
| Viscosity | Not available. |
| Boiling Point | 90 deg C |
| Solubility in Water | Miscible Specific |
| Gravity/Density | 1.02g/cm3 |

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperatures and pressures.

Conditions to Avoid : Incompatible materials, strong oxidarits.

Incompatibilities with Other Materials : Strong oxidizing agents - strong acids - strong bases - strong reducing agents.

Hazardous Decomposition Products : Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization : Has not been reported

SECTION 11 – TOSICOLOGICAL INFORMATION

LD50/LC50 :

Dermal, guinea pig :LD 50 => 5gm/kg; Draize test,

rabbit, skin : 400 uL Severe : Inhalation, rat :LC50 =>5100 mg/m3/4H;

Oral, mouse: LD50 = 1460mg/kg;

Oral, rat: LD50=1540 mg/kg.

Carcinogenicity : Butyrolactone- IARC: Group 3 carcinogen

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

Other Studies: None reported.

SECTION 12 – ECOLOGICAL INFORMATION

NO DATA AVAILABLE.

SECTION 13 – DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material.

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT

Proper Shipping Name: Flammable liquids, n.o.s.

UN# : 1993

Class : 3
Packing Group : Packing Group III
Hazard Label : Flammable liquid
PIH : Not PIH
IATA
Proper Shipping Name: Flammable liquid, n.o.s.
IATA UN Number : 1993
Hazard Class : 3
Packing Group : III

SECTION 15 – REGULATORY INFORMATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger : Xn
Indication of Danger : Harmful.
R : 36/38-40
Risk Statements: Irritating to eyes and skin. Limited evidence of a carcinogenic effect.
S : 26-36
Safety Statements : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger : Harmful.
Risk Statements : Irritating to eyes and skin. Limited evidence of a carcinogenic effect.

Safety Statements : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US Statements : Possible Carcinogen (US). Combustible. Calif. Prop. 65 carcinogen.

UNITED STATES REGULATORY INFORMATION SARA LISTED : No

TSCA INVENTORY ITEM : Yes Yes

UNITED STATES - STATE REGULATORY INFORMATION

CALIFORNIA PROP - 65

California Prop - 65 : This product is or contains chemical(s) known to the state of California to cause cancer.

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CANADA REGULATORY INFORMATION

WHMIS Classification : This product has been classified in accordance with the hazard criteria of the CPR,

and the MSDS

contains all the information required by the CPR.

DSL: No

NDSL: Yes

SECTION 16 – OTHER INFORMATION

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not

purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.