

Material Safety Data Sheet

PRETRETLEMENT

Version 4.0

Prevision date: 03/25/2009 Date Updated: 06/28/2018

2. Hazards Identification

- EMERGENCY OVERVIEW

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.

Pictograms



Signal word Warning

3. COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS NO.	%by Weight(approximate)
Distilled Water	7732-18-5	50%
PVP	9003-39-8	10%
Propylene carbonate	108-32-7	5%

Brij-78	9005-00-9	5%
Brij-52	9004-95-9	4%
Polyethylene glycol	25322-68-3	10%
Ethyl alcohol	64-17-5	10%
Cellulose sodium glycolate	904-32-4	2%
Acryl polymer	9003-01-04	2%
Ethyl Paraben	120-47-8	0.3%
Methyl Paraben	99-76-3	0.3%
Fragrance	N/A	0.4%
Other	Secret	1%

4. FIRST AID MEASURES

Eyes : Flush eyes with plenty of water.

Skin : Flush skin with plenty of soap and water.

Ingestion : If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person.

Get medical aid immediately.

Inhalation : Get medical aid immediately. Remove from exposure to fresh air immediately. if not breathing, give artificial respiration. if breathing is difficult, give oxygen. Notes to

Physician : Treat symptomatically and supportively. Antidote : None reported.

5. Fire Fighting Measures

No data available.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks

: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Clean up spills immediately, observing precautions in the Protective Equipment 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.

8. Exposure Controls / PPE

No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Color Colorless

Odor Fragrance

pH Not available.

Viscosity Not available.

Boiling Point Not available.

Solubility in Water Miscible

Specific Gravity/Density 0.98g/cm³

10. STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperatures and pressures.

Conditions to Avoid : Incompatible materials, strong oxidants.

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.

11. TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 64-17-5: KQ6300000

CAS# 7732-18-5: ZC0110000

LD50/LC50:

CAS# 64-17-5:

Draize test, rabbit, eye: 500 mg Severe;
Draize test, rabbit, eye: 500 mg/24H Mild;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 39 gm/m³/4H;
Inhalation, rat: LC50 = 20000 ppm/10H;
Oral, mouse: LD50 = 3450 mg/kg;
Oral, rabbit: LD50 = 6300 mg/kg;
Oral, rat: LD50 = 7060 mg/kg;
Oral, rat: LD50 = 9000 mg/kg;

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;

Carcinogenicity:

CAS# 64-17-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: Ethanol has been shown to produce fetotoxicity in the embryo or fetus of laboratory animals. Prenatal exposure to ethanol is associated with a distinct pattern of congenital malformations that have collectively been termed the "fetal alcohol syndrome".

Teratogenicity: Oral, Human - woman: TDLo = 41 gm/kg (female 41 week(s) after conception) Effects on Newborn - Apgar score (human only) and Effects on Newborn - other neonatal measures or effects and Effects on Newborn - drug dependence.

Reproductive Effects: Intrauterine, Human - woman: TDLo = 200 mg/kg (female 5 day(s) pre-mating) Fertility - female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).

Mutagenicity: DNA Inhibition: Human, Lymphocyte = 220 mmol/L.; Cytogenetic Analysis: Human, Lymphocyte = 1160 gm/L.; Cytogenetic Analysis: Human, Fibroblast = 12000 ppm.; Cytogenetic Analysis: Human, Leukocyte = 1 pph/72H (Continuous).; Sister Chromatid Exchange: Human, Lymphocyte = 500 ppm/72H (Continuous). **Neurotoxicity:** No information found

Other Studies:

12. Ecological Information

No data available.

13. Disposal Considerations

No data available.

14. Transport Information

No data available.

15. Regulatory Information

No data available.

16. Other Information.

No data available.