

Material Safety Data Sheet
Lauryl alcohol polyethylene ether

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name : Lauryl alcohol polyethylene ether
Molecular Formula : $C_{58}H_{118}O_{24}$
Molecular Weight : 1199.5 g/mole
CAS No. : 9002-92-0

SECTION: 1.2 COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Lauryl alcohol polyethylene ether	9002-92-0	100

Toxicological Data on Ingredients: No Data Available

SECTION 3: HAZARD IDENTIFICATION

3.1 Classification of the substance or mixture

GHS US classification

Not classified

3.2 GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

3.3 Other hazards which do not result in classification

No additional information available

3.4 Unknown acute toxicity (GHS US)

Not applicable

SECTION 4: FIRST AID MEASURES

First-aid measures general :

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised.

Indenta Chemicals (India) Pvt. Ltd.

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Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

First-aid measures after inhalation :

Remove the victim into fresh air.

First-aid measures after skin contact :

Wash immediately with lots of water (15 minutes)/shower. Soap may be used. Do not apply (chemical) neutralizing agents.

First-aid measures after eye contact :

Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists. Do not apply neutralizing agents.

First-aid measures after ingestion :

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Ingestion of large quantities: immediately to hospital. Call Poison Information Centre (www.big.be/antigif.htm).

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms :

Non-toxic if swallowed (LD50 oral, rat > 5000 mg/kg). Slightly harmful in contact with skin. Not irritant to skin. Slightly harmful by inhalation. Not irritant to respiratory organs. Slightly irritant to eyes.

Symptoms/effects after eye contact :

Slight irritation.

Symptoms/effects after ingestion :

Irritation of the gastric/intestinal mucosa.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing media

Suitable extinguishing media

Quick-acting ABC powder extinguisher. Class A foam extinguisher. Water (quick-acting extinguisher, reel). Water. Class A foam.

Unsuitable extinguishing media

Quick-acting BC powder extinguisher. Quick-acting CO2 extinguisher.

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire :

Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.

Firefighting instructions :

Cool tanks/drums with water spray/remove them into safety. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

Protection during firefighting :

Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment :

Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.

Emergency procedures :

Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes.

Measures in case of dust release :

In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows.

6.1.2. For emergency responders

Protective equipment :

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

6.3 Methods and materials for containment and cleaning up

For containment :

Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray.

Methods for cleaning up :

Stop dust cloud by covering with sand/earth. Solid spill: shovel. Clean contaminated surfaces with an excess of water. Carefully collect the spill/leftovers. Wash clothing and equipment after handling.

Other information :

Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling :

Avoid raising dust. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Clean contaminated clothing. Do not discharge the waste into the drain. Keep container tightly closed.

Hygiene measures :

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions :

Store in a well-ventilated place. Keep cool.

Heat-ignition :

KEEP SUBSTANCE AWAY FROM: heat sources.

Information on mixed storage :

KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) bases.

Storage area :

Store in a dry area. Keep container in a well-ventilated place. Meet the legal requirements.

Special rules on packaging :

SPECIAL REQUIREMENTS: closing. dry. correctly labelled. meet the legal requirements.

Secure fragile packagings in solid containers.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**8.1 Control parameters****Lauryl alcohol polyethylene ether (9002-92-0)**

No additional information available

8.2 Exposure controls**Appropriate engineering controls :**

Ensure good ventilation of the work station.

Environmental exposure controls :

Avoid release to the environment.

8.3 Individual protection measures/Personal protective equipment**Materials for protective clothing:**

GIVE GOOD RESISTANCE: rubber

Hand protection:

Gloves

Eye protection:

Safety glasses

Skin and body protection:

Protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state :	Solid
Appearance :	Solid.
Color :	White
Odor :	No data available
Odor threshold :	No data available
pH :	No data available
Melting point :	40 °C
Freezing point :	Not applicable
Boiling point :	> 100 °C
Flash point :	> 149 °C
Relative evaporation rate (butyl acetate=1) :	No data available
Flammability (solid, gas) :	Non flammable.
Vapor pressure :	< 1.33 hPa (20 °C)
Relative vapor density at 20 °C :	Not applicable
Relative density :	1.05
Molecular mass :	1199.57 g/mol
Solubility :	Moderately soluble in water. Soluble in ethanol. Soluble in propyleneglycol. Water: 4 g/100ml
Log Pow :	No data available
Auto-ignition temperature :	Not applicable
Decomposition temperature :	No data available

Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosion limits :	Not applicable
Explosive properties :	No data available
Oxidizing properties :	No data available
9.2 Other safety information	
VOC content :	100 %

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity (oral) :

Not classified

Acute toxicity (dermal) :

Not classified

Acute toxicity (inhalation) :

Not classified

Skin corrosion/irritation :

Not classified

Serious eye damage/irritation :

Not classified

Respiratory or skin sensitization :

Not classified

Germ cell mutagenicity :

Not classified

Carcinogenicity :

Not classified

Reproductive toxicity :

Not classified

Specific target organ toxicity – single exposure :

Not classified

Specific target organ toxicity – repeated exposure :

Not classified

Aspiration hazard :

Not classified

Viscosity, kinematic :

No data available

Potential Adverse human health effects and symptoms :

Non-toxic if swallowed (LD50 oral, rat > 5000 mg/kg). Slightly harmful in contact with skin. Not irritant to skin. Slightly harmful by inhalation. Not irritant to respiratory organs. Slightly irritant to eyes.

Symptoms/effects after eye contact :

Slight irritation.

Symptoms/effects after ingestion :

Irritation of the gastric/intestinal mucosa.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Ecology - general :**

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Ecology - air :

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).

Ecology - water :

Water pollutant (surface water). No data available on ecotoxicity.

12.2 Persistence and degradability

Lauryl alcohol polyethylene ether (9002-92-0)	
Persistence and degradability	Inherently biodegradable.

12.3 Bioaccumulative potential

Lauryl alcohol polyethylene ether (9002-92-0)	
Bioaccumulative potential	No bioaccumulation data available.

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

SECTION 13: DISPOSAL CONSIDERATION**13.1 Disposal methods****Waste treatment methods :**

Waste treatment methods.

Product/Packaging disposal recommendations :

Use appropriate containment to avoid environmental contamination. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery.

Additional information :

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

SECTION 14: TRANSPORT INFORMATION**Department of Transportation (DOT)**

In accordance with DOT

Other information : No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Air transport

SECTION 15: OTHER REGULATORY INFORMATION

15.1 US Federal regulations

Lauryl alcohol polyethylene ether (9002-92-0)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 International regulations

CANADA

EU-Regulations

National regulations

No additional information available

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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