



MATERIAL SAFETY DATA SHEET

Tallow amine polyoxyethylene ether (02)

Compiling date: JAN.2020

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : Tallow amine polyoxyethylene ether(02)
Chemical name : Tallow amine polyoxyethylene ether(02)
Cas-No. : 61791-26-2
Supplier : Shanghai Orient Chemical Co.,Ltd
Room 401,403 Haibao Building, No. 3615 Gonghexin Road, Jing'an District, Shanghai,China,200435
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Website: www.greenchemintl.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substance name	CAS number	% by Weight
Tallow amine polyoxyethylene ether(02)	61791-26-2	99-100min
Tallow amine	61790-33-8	0.001-1

3. HAZARDS SUMMARIZING

Physical state Liquid
Color Light yellow
Odor Amine like
Emergency overview MAY CAUSE EYE AND SKIN IRRITATION.
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Possible Carcinogenic effects Tallow amine polyoxyethylene ether(02): IARC, NTP, OSHA, ACGIH: Not listed.
Others(water or impurity): IARC, NTP, OSHA, ACGIH: Not listed.

Routes of Entry Absorbed through skin. Dermal contact. Eye contact.

4. FIRST AID MEASURES

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Cold water may be used. Get medical attention.

Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

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

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Medical conditions Aggravated by Repeated or prolonged exposure is not known to aggravate medical condition.

Overexposure

5. FIRE-FIGHTING MEASURES

Flammability of the product May be combustible at high temperature

Flash point Closed cup:>100°C (212°F)

Products of combustion These products are carbon oxides (CO ,CO₂),nitrogen oxides (NO, NO₂...).

Fire Fighting Media and instructions SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards Tallow amine polyoxyethylene ether(02): Treat as an oil fire.

6. ACCIDENTAL RELEASE MEASURES

Small Spill and leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	
Eyes	Splash goggles.
Body	Lab coat.
Respiratory	Respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Hands	Gloves.
Feet	Not applicable.
Protective clothing	



Personal protection in Case of a large spill	Splash goggles. Full suit. Respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Light yellow
Odor	Amine like
Molecular weight	Not applicable.
Molecular formula	Not applicable.
Boiling point	>300°C (527.2°F)
Melting point	-
Pour point	No date available
PH	8.0-10.5
Density	0.9g/cm ³
Vapor pressure	<0.01kpa(<0.1mmHg)(at20°C)
Evaporation rate	Weighted average: 1 compared to Butyl acetate.
Solubility	Very slightly soluble in cold water
Dispersion properties	Not available.
Physical chemical	Viscosity = 34cp@ 50°C; 29cp @70°C;
Comments	

10. STABILITY AND REACTIVITY

Stability and Reactivity	The product is stable.
Incompatibility with Various Substances	Reactive with OXIDIZING AGENTS, acids.
Hazardous polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Name	Test	Result	Route	Species
Tallow amine polyoxyethylene ether(02)	LD50	1200 to 1500mg/kg	Oral	Rat

Special Remarks on Toxicity to Animals	Tallow amine polyoxyethylene ether(02): INHALATION > 0.033 mg/L 1 hour/hours Rat; highest concentration tested.
Chronic Effects on Humans	MUTAGENIC EFFECTS: Non-mutagenic for bacteria and/or yeast.
Special Remarks on Chronic Effects on Humans	Chromosomal (DNA) abnormalities will not occur in CHO mammalian cell assay, the In Vivo Cytogenetics Assay in mice, the CHO/HGPRT mammalian cell assay and the Mouse Lymphoma Assay; based on a similar material.
Acute Effects Skin	Corrosive to the skin.

Acute Effects Eyes Corrosive to the eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product name	Species	Period	Result
Tallow amine polyoxyethylene ether(05)	Fish (LC50)	96hour(s)	0.11mg/l
	Daphnia (LC50)	48hour(s)	0.011mg/l
	algae(LC50)	72 hour(s)	0.03 mg/l

Biodegradability and Ecotoxicity Remarks day(s) CBT. 72% @ 42 day(s) CBT

Biodegradable/OECD Readily biodegradable.

Products of Degradation These products are carbon oxides (CO, CO2) and water, nitrogen oxides

13. DISPOSAL CONSIDERATION

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control Regulations.

14. TRANSPORT INFORMATION

Regulatory Information	Un number	Proper shipping name	Class	Packing Group
DOT Classification	UN3082	Environmentally hazardous substance, liquid, corrosive, n.o.s.	9	III
TDG Classification	UN3082	Environmentally hazardous substance, liquid, corrosive, n.o.s.	9	III
Imdg class	UN3082	Environmentally hazardous substance, liquid, corrosive, n.o.s.	9	III
Iata-dgr class	UN3082	Environmentally hazardous substance, liquid, corrosive, n.o.s.	9	III

15. REGULATORY INFORMATION

HCS Classification Corrosive Material

U.S. Federal Regulations TSCA: All intentionally present components are listed on the TSCA inventory.
DSL: All intentionally present components are listed on the DSL.
CERCLA: Hazardous substances.: No products were found.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous Chemistry: No product

16.OTHER INFORMATION

References	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
Form Date	5-Jan-2020