



SHANDONG XIN GUANG CHEMISTRY CO., LTD.

山东欣广化学有限公司

**MATERIAL SAFETY DATA SHEET**

ISO decyloxypropyl amine acetate

Compiling date: 6-Jan-2022

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name :** ISO decyloxypropyl amine acetate  
**Chemical name :** ISO C10 etheramine acetate  
**Sales code :** XG-IC10  
**Cas-No. :** 28701-67-9  
**Supplier :** SHANDONG XIN GUANG CHEMISTRY CO.,LTD.  
Wudi Xinhai Industrial Park, Binzhou City, Shandong Province, China  
**Phone:** +86-543-5079966  
**Fax:** +86-543-5077766  
**Emergency telephone:** +86-543-5079057  
**Website:** [www.xinguangchem.com.cn](http://www.xinguangchem.com.cn)

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Substance name	CAS number	% by Weight
ISO decyloxypropyl amine acetate	28701-67-9	5-100min

Others(water or impurity)

-

**3. HAZARDS SUMMARIZING**

**Physical state** Liquid  
**Color** Orange color  
**Odor** Ammoniacal.  
**Emergency overview** CAUTION!  
MAY CAUSE EYE AND SKIN IRRITATION.  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

<b>Possible Carcinogenic effects</b>	C10 ether amine acetate: IARC, NTP, OSHA, ACGIH: Not listed. Others(water or impurity): IARC, NTP, OSHA, ACGIH: Not listed.
<b>Routes of Entry</b>	Absorbed through skin. Dermal contact. Eye contact.

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	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.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	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.
<b>Medical conditions Aggravated by Overexposure</b>	Repeated or prolonged exposure is not known to aggravate medical condition.

#### 5. FIRE-FIGHTING MEASURES

<b>Flammability of the product</b>	May be combustible at high temperature
<b>Flash point</b>	>200°C
<b>Products of combustion</b>	These products are carbon oxides ( CO ,CO <sub>2</sub> ),nitrogen oxides (NO, NO <sub>2</sub> ...).
<b>Fire Fighting Media and instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Protective Clothing (Fire)</b>	Be sure to use an approved/certified respirator or equivalent.
<b>Special Remarks on Fire Hazards</b>	C10 ether amine acetate: Treat as an oil fire.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Small Spill and leak</b>	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.
<b>Large Spill and Leak</b>	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**

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Engineering</b>	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.
<b>Personal Protection</b>	
<b>Eyes</b>	Splash goggles.
<b>Body</b>	Lab coat.
<b>Respiratory</b>	Respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
<b>Hands</b>	Gloves.
<b>Feet</b>	Not applicable.
<b>Protective clothing</b>	



<b>Personal protection in Case of a large spill</b>	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.
---	---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Liquid
<b>Color</b>	Orange color
<b>Odor</b>	Ammoniacal
<b>Molecular weight</b>	Not applicable.
<b>Molecular formula</b>	Not applicable.
<b>Boiling point</b>	~290°C (590°F)
<b>Melting point</b>	<-10°C
<b>Pour point</b>	-
<b>PH</b>	Not applicable.
<b>Density</b>	0.901g/cm <sup>3</sup>
<b>Vapor pressure</b>	<0.01kpa(<0.1mmHg)(at20°C)
<b>Evaporation rate</b>	Weighted average: 1 compared to Butyl acetate.
<b>Solubility</b>	Very slightly soluble in cold water
<b>Dispersion properties</b>	Not available.
<b>Physical chemical</b>	Viscosity = 42.4SSU @ 45oC; 40.0SSU @ 55oC; 38.3SSU @
<b>Comments</b>	65oC; 37.4SSU @ 75°C

**10. STABILITY AND REACTIVITY**

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

**11. TOXICOLOGICAL INFORMATION**

<b>Name</b>	<b>Test</b>	<b>Result</b>	<b>Route</b>	<b>Species</b>
C10 ether amine acetate	LD50	1950mg/kg	Oral	Rat

<b>Special Remarks on Toxicity to Animals</b>	C10 ether amine acetate: INHALATION > 0.033 mg/L 1 hour/hours Rat; highest concentration tested.
<b>Chronic Effects on Humans</b>	MUTAGENIC EFFECTS: Non-mutagenic for bacteria and/or yeast.
<b>Special Remarks on Chronic Effects on Humans</b>	C10 ether amine acetate: 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.
<b>Acute Effects Skin</b>	Corrosive to the skin.

Corrosive to the eyes.

**Acute Effects Eyes****12. ECOLOGICAL INFORMATION****Ecotoxicity**

Product name	Species	Period	Result
C10 ether amine acetate	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, CO<sub>2</sub>) and water, nitrogen oxides C10 ether amines: 55% @ 28 (NO, NO<sub>2</sub>...).**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	UN1760	corrosive,liquid, n.o.s.	8	II
TDG Classification	UN1760	corrosive,liquid ,n.o.s.	8	II
Imdg class	UN1760	corrosive, liquid, n.o.s.	8	II
Iata-dgr class	UN1760	corrosive, liquid ,n.o.s.	8	II

**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 products

## Section 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	6-Jan-2022

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer / supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: As a result of product features without the existence of certain information or no data available (such as boiling point does not exist for the solid) in the table with "/" logo.