

## MARLIPAL O13 Alcohol

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>Trade name</b>	MARLIPAL O13 Alcohol		
<b>Synonyms</b>	Isotridecyl, Isotridecane-1-ol		
<b>Use</b>	Industrial use, Personal care, Textile		
<b>Company</b>	Sasol Chemicals (USA) LLC (an affiliate of Sasol Chemicals North America LLC)		
<b>Address</b>	12120 Wickchester Lane, Houston, TX 77079		
<b>Telephone</b>	CHEMTREC North America Transportation Emergency (24-hr)		(800) 424 9300
	CHEMTREC World Wide		(703) 527-3887
	Other Emergencies (24-hr)		(337) 494 5142
	SDS and Product Information (8:00am-4:30pm CST)		(281) 588 3491
	Health and Safety Information (7:30am-4:00pm CST)		(281) 588 3492
<b>E-mail address</b>	SasolElectronicSDS@us.sasol.com		

### SECTION 2 HAZARDS IDENTIFICATION

<b>OSHA/GHS Hazards</b>	Skin irritation	Category 2
	Acute aquatic toxicity	Category 1
	Chronic aquatic toxicity	Category 1

#### LABEL ELEMENTS

##### Hazard symbols



**Signal word** Warning

**Hazard statements** H315 Causes skin irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

**Prevention** P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves.  
P273 Avoid release to the environment.

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**Response** P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P391 Collect spillage.

**Disposal** P501 Dispose of contents/ container to an approved waste disposal plant.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Isotridecanol	27458-92-0	99.6

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

### SECTION 4 FIRST AID MEASURES

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**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

**Ingestion** Do not induce vomiting without medical advice. Call a physician immediately. Never give anything by mouth to an unconscious person.

### SECTION 5 FIREFIGHTING MEASURES

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#### FLAMMABLE PROPERTIES

**Fire/explosion** NFPA Class IIIB combustible liquid.

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Protective equipment and precautions for firefighters** Wear self-contained breathing apparatus and protective suit.

**Further information** Keep containers and surroundings cool with water spray.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**Methods and materials for containment and cleaning up** Remove all sources of ignition. Ensure adequate ventilation. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush into surface water or sanitary sewer system.

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**SECTION 7 HANDLING AND STORAGE**

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**Safe handling advice** Normal measures for preventive fire protection.

**Storage/Transport pressure** Ambient

**Load/Unload temperature** Ambient

**Further information on storage conditions** Mix thoroughly before use.

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**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING MEASURES**

Ensure adequate ventilation, especially in confined areas.

**PERSONAL PROTECTIVE EQUIPMENT**

**Eyes** Chemical resistant goggles must be worn. Wear as appropriate:, Face-shield

**Skin** Wear suitable protective clothing, gloves and eye/face protection.

**Inhalation** Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

**EXPOSURE GUIDELINES**

Contains no substances with occupational exposure limit values.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance** liquid;

**Colour** colourless

**Form** liquid

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<b>Odour</b>	slight
<b>Odour Threshold</b>	No data available
<b>Flash point</b>	128 °C, 262 °F; ISO 2719;
<b>Flammability</b>	Upper explosion limit: 6.6 %(V) Lower explosion limit: 0.6 %(V)
<b>Boiling point/boiling range</b>	> 184 °C, > 363 °F; OECD Test Guideline 103;
<b>Melting point/range</b>	-25 °C, -13 °F; DIN 51383;
<b>Auto-ignition temperature</b>	230 °C, 446 °F; DIN 51794;
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	1 hPa @ 20 °C, 68 °F; OECD Test Guideline 104;
<b>Vapour density</b>	No data available
<b>Density</b>	0.840 g/cm <sup>3</sup> @ 20 °C, 68 °F;
<b>Relative density</b>	0.8426 @20 °C, 68 °F; OECD Test Guideline 109;
<b>Water solubility</b>	3.2 mg/l @ 20 °C, 68 °F; OECD Test Guideline 105;
<b>Viscosity</b>	42.4 mm <sup>2</sup> /s @ 20 °C, 68 °F;
<b>Viscosity, dynamic</b>	40 mPa.s @ 20 °C, 68 °F; DIN 51562;
<b>pH</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	log Pow: 5.9 - 6.0; @ 25.5 - 26 °C, 78 - 79 °F; OECD Test Guideline 107;

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### SECTION 10 STABILITY AND REACTIVITY

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<b>Reactivity</b>	Stable at normal ambient temperature and pressure.
<b>Chemical stability</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid</b>	Stable under recommended storage conditions. Keep away from heat and sources of ignition.
<b>Hazardous decomposition products</b>	None.
<b>Materials to avoid</b>	None known.
<b>Hazardous polymerisation</b>	None.

### SECTION 11 TOXICOLOGICAL INFORMATION

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<b>Acute dermal toxicity</b>	LD50 Rabbit: > 5,000 mg/kg (literature value)
<b>Acute inhalation toxicity</b>	LC0 Rat (8 hours): 0.3 mg/l; OECD Test Guideline 403 (literature value)
<b>Acute oral toxicity</b>	LD50 Rat: > 2,000 mg/kg (literature value)
<b>Skin corrosion/irritation</b>	(Rabbit): OECD Test Guideline 404 Irritating. (literature value)
<b>Serious eye damage/eye irritation</b>	(Rabbit): OECD Test Guideline 405 Not irritating (literature value)
<b>Respiratory or skin sensitisation</b>	Guinea pig: not sensitizing; Maximisation Test (literature value)
<b>Germ cell mutagenicity</b>	<b>Genotoxicity in vitro:</b> Result: In vitro tests did not show mutagenic effects (literature value)  <b>Genotoxicity in vivo:</b> No data available  <b>Assessment Mutagenicity:</b> Based on available data, the classification criteria are not met.

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**Reproductive toxicity** **Reproductive toxicity:**

Rat; Oral;  
NOAEL (parents): 2,000 mg/kg  
NOAEL (F1): 2,000 mg/kg  
Test substance: 1-Dodecanol  
(literature value)

**Assessment Reproductive toxicity:**

Based on available data, the classification criteria are not met.

**Teratogenicity:**

Rat; Oral; OECD Test Guideline 414  
NOAEL (teratogen): 750 mg/kg  
NOAEL (maternal): 250 mg/kg  
(literature value)

**Assessment teratogenicity:**

Based on available data, the classification criteria are not met.

**STOT - single exposure** The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure** Rat; Oral; OECD Test Guideline 408  
NOAEL: 30 mg/kg  
LOAEL: 150 mg/kg  
Test substance: Propylheptanol  
(literature value)  
Target Organs: Liver  
Symptoms: peroxisome proliferation

Rat; Oral; OECD Test Guideline 408  
NOAEL: 150 mg/kg  
LOAEL: 600 mg/kg  
Test substance: Propylheptanol  
(literature value)  
Target Organs: Blood, Kidney  
Symptoms: reduced body weight gain, reduced food consumption  
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration toxicity** Not applicable

**Carcinogenicity** **Assessment carcinogenicity:**  
Contains no ingredient listed as a carcinogen

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**SECTION 12 ECOLOGICAL INFORMATION**

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<b>Aquatic toxicity</b>	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
<b>Toxicity to fish</b>	LC50 (Danio rerio (zebra fish)) 96 hours: 0.1 - 1 mg/l; semi-static test; OECD Test Guideline 203 (literature value)
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 48 hours: 0.1 - 1 mg/l; semi-static test; OECD Test Guideline 202 (literature value)
<b>Toxicity to algae</b>	ErC50 (Desmodesmus subspicatus (green algae)) 72 hours: 0.1 - 1 mg/l; OECD Test Guideline 201 (literature value)
<b>Chronic toxicity to fish</b>	No data available
<b>Chronic toxicity to aquatic invertebrates</b>	NOEC (Daphnia magna (Water flea)) 21 d: 0.0016 mg/l; semi-static test Test substance: 1-Tetradecanol
<b>Biodegradation</b>	Readily biodegradable. (28 d): > 70 % (literature value)
<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely.
<b>Mobility in soil</b>	No data available
<b>Other adverse effects</b>	No data available

**SECTION 13 DISPOSAL CONSIDERATIONS**

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<b>Waste Code</b>	Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.
<b>Disposal methods</b>	Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification.

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**Empty containers.** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

### SECTION 14 TRANSPORT INFORMATION

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- DOT** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Isotridecanol), 9, III, Marine pollutant  
Not regulated in non-bulk packaging of 119 gallons or less or a net mass of 882 pounds or less per package.
- IATA** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Isotridecanol), 9, III  
Not regulated in non-bulk packaging of 5L or less or a net mass of 5kg or less per package.
- IMDG** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Isotridecanol), 9, III, Marine pollutant  
This product is regulated as a Marine Pollutant when shipped by water in all quantities according to the IMDG Code.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

**Remarks** No data available

### SECTION 15 REGULATORY INFORMATION

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#### U.S. FEDERAL REGULATIONS

##### TSCA Inventory Listing

###### Components

Isotridecanol

All chemical substances in this product are either on the TSCA Active Inventory, or in compliance with the inventory.

###### CAS-No.

27458-92-0

##### SARA 302 Status

###### Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

###### CAS-No.

###### Weight percent

##### SARA 311/312 Classification

Should this product meet EPCRA 311/312 Tier reporting criteria of 40 CFR 370, refer to Section 2 of this SDS for appropriate classification and Section 3 for components that meet the hazardous classification.



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### SARA 313 Chemical

#### Components

#### CAS-No.

#### Weight percent

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US. EPA CERCLA Hazardous Substances (40 CFR 302)

#### Components

#### Reportable Quantity

#### Weight percent

none

## INTERNATIONAL REGULATIONS

### WHMIS Classification

Skin irritation	Category 2
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

### European Union

Classification according to Regulation (EU) 1272/2008.

Skin irritation, Category 2  
 Acute aquatic toxicity, Category 1  
 Chronic aquatic toxicity, Category 1  
 Repeated exposure may cause skin dryness or cracking.

<b>Australia. Inventory of Chemical Substances (AICS)</b>	Listed
<b>Japan. Inventory of Existing and New Chemical Substances (ENCS)</b>	Listed
<b>Japan. ISHL - Inventory of Chemical Substances</b>	Listed
<b>Canada. Domestic Substances List (DSL) Inventory</b>	Listed
<b>Canada. Non-Domestic Substance Listing (NDSL)</b>	Not listed
<b>Philippines. Inventory of Chemicals / Chemical Substances (PICCS)</b>	Listed
<b>Korea. Existing Chemicals Inventory (KECI)</b>	Listed
<b>China. Inventory of Existing Chemical Substances (IECSC)</b>	Listed
<b>Mexico. National Inventory of Chemical Substances (INSQ)</b>	Listed
<b>New Zealand. Inventory of Chemical Substances (NZIoC)</b>	Listed
<b>Switzerland. Inventory of Notified New Substances (CHINV)</b>	Listed
<b>Taiwan. National Existing Chemical Inventory (NECI)</b>	Listed

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Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

### STATE REGULATIONS

California Prop. 65

Components

none

CAS-No.

### SECTION 16 OTHER INFORMATION

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#### HAZARD RATINGS

	<u>Health</u>	<u>Flammability</u>	<u>Physical Hazard/ Instability</u>
HMIS®	2	1	0
NFPA	2	1	0

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