

MARLIPAL® O13 Alcohol**SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

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

SECTION 2 HAZARDS IDENTIFICATION**GHS Hazards**

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.

Response P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.

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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

<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

- 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

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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Safe handling advice Normal measures for preventive fire protection.

Storage/Transport pressure Ambient

Load/Unload temperature Ambient

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES

Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENT

Eyes Wear as appropriate:, Goggles, 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.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid;

Colour colourless

Form liquid

Odour slight

Odour Threshold no data available

Flash point 128 °C, 262 °F; ISO 2719;

Flammability Upper explosion limit: 6.6 %(V)

Lower explosion limit: 0.6 %(V)

Boiling point/boiling range > 184 °C, > 363 °F; OECD Test Guideline 103;

Melting point/range -25 °C, -13 °F; DIN 51383;

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Auto-ignition temperature	230 °C, 446 °F; DIN 51794;
Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapour pressure	1 hPa @ 20 °C, 68 °F; OECD Test Guideline 104;
Vapour density	no data available
Density	0.840 g/cm ³ @ 20 °C, 68 °F;
Specific gravity	0.8426 @20 °C, 68 °F; OECD Test Guideline 109;
Water solubility	3.2 mg/l @ 20 °C, 68 °F; OECD Test Guideline 105;
Viscosity	42.4 mm ² /s @ 20 °C, 68 °F;
Viscosity, dynamic	40 mPa.s @ 20 °C, 68 °F; DIN 51562;
pH	no data available
Evaporation rate	no data available
Partition coefficient: n-octanol/water	log Pow: 5.9 - 6.0; @ 25.5 - 26 °C, 78 - 79 °F; OECD Test Guideline 107;

SECTION 10 STABILITY AND REACTIVITY

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

SECTION 11 TOXICOLOGICAL INFORMATION

Acute dermal toxicity	LD50 rabbit: > 5,000 mg/kg(literature value)
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Acute inhalation toxicity	LC0 rat (8 hours): 0.3 mg/l; OECD Test Guideline 403 (literature value)
Acute oral toxicity	LD50 rat: > 2,000 mg/kg (literature value)
Skin corrosion/irritation	(rabbit): OECD Test Guideline 404 Irritating., (literature value)
Eye damage/irritation	(rabbit): OECD Test Guideline 405 Not irritating, (literature value)
Respiratory or skin sensitization	guinea pig: not sensitizing; Maximisation Test (literature value)
Germ cell mutagenicity	<p>Genotoxicity in vitro: Result: In vitro tests did not show mutagenic effects. (literature value)</p> <p>Genotoxicity in vivo: no data available</p> <p>Assessment Mutagenicity: Based on available data, the classification criteria are not met.</p>
Reproductive toxicity	<p>Reproductive toxicity: rat; Oral; NOAEL (parents): 2,000 mg/kg NOAEL (F1): 2,000 mg/kg Test substance: 1-Dodecanol (literature value)</p> <p>Assessment Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>Teratogenicity: rat; Oral; OECD Test Guideline 414 NOAEL (teratogen): 750 mg/kg NOAEL (maternal): 250 mg/kg (literature value)</p> <p>Assessment teratogenicity: Based on available data, the classification criteria are not met.</p>
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

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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

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Toxicity to fish LC50 (Danio rerio (zebra fish)) 96 hours: 0.1 - 1 mg/l; semi-static test; OECD Test Guideline 203 (literature value)

Toxicity to aquatic invertebrates EC50 (Daphnia magna (Water flea)) 48 hours: 0.1 - 1 mg/l; semi-static test; OECD Test Guideline 202 (literature value)

Toxicity to algae ErC50 (Desmodesmus subspicatus (green algae)) 72 hours: 0.1 - 1 mg/l; OECD Test Guideline 201 (literature value)

Chronic toxicity to fish no data available

Chronic toxicity to aquatic invertebrates NOEC (Daphnia magna (Water flea)) 21 d: 0.0016 mg/l; semi-static test
 Test substance: 1-Tetradecanol

Biodegradation Readily biodegradable.
 (28 d): > 70 %
 (literature value)

Bioaccumulation Bioaccumulation is unlikely.

Mobility in soil no data available

Other adverse effects no data available

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SECTION 13 DISPOSAL CONSIDERATIONS

- Waste Code** 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.
- Disposal methods** 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.
- 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

- 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 per container.
- IATA** UN 3082, Environmentally hazardous substance, liquid, n.o.s.(Isotridecanol), 9, III
This product is regulated as a dangerous good when shipped by air in all quantities according to IATA.
- 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

U.S. FEDERAL REGULATIONS

OSHA Hazards (HCS 1994)

Skin irritant

TSCA Inventory Listing

Components

Isotridecanol

CAS-No.

27458-92-0

SARA 302 Status

Components

CAS-No.

Weight percent

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

SARA 311/312 Classification

"Immediate (acute) health hazard"

SARA 313 Chemical

Components

CAS-No.

Weight percent

SARA 313: 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

none

Reportable Quantity

Weight percent

INTERNATIONAL REGULATIONS

WHMIS Classification

Class D, Division 2, Subdivision B: Toxic material.

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.

Australia. Inventory of Chemical Substances (AICS)	Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS)	Listed
Japan. Industrial Safety & Health Law (ISHL) Inventory	Listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canadian Non-Domestic Substance Listing (NDSL)	Not listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing	Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Listed
New Zealand. Inventory of Chemicals (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Listed

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Taiwan. National Existing Chemical Inventory (NECI)

Listed

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

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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