

ISOFOL 2426 S

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

Trade name	ISOFOL 2426 S		
Synonyms	Branched alcohol		
Use	Industrial use, Lubricant or lubricant additive, Process material, Raw material for chemical processes		
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
	SDS 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	ProdSafe.Shared@sasol.com		

SECTION 2 HAZARDS IDENTIFICATION

Not a hazardous substance or mixture according to OSHA HCS 2012.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Alcohols, C12-13-branched and linear, dimerized	2041102-78-5	100

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. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.
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	If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

ISOFOL 2426 S

SECTION 5 FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion NFPA Class IIIB combustible liquid.

Suitable extinguishing media Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO₂).

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and protective suit. Keep containers and surroundings cool with water spray.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up Evacuate personnel to safe areas. Remove all sources of ignition. 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.

Spill precautions Material can create slippery conditions.

SECTION 7 HANDLING AND STORAGE

Safe handling advice Ensure all equipment is electrically grounded before beginning transfer operations.

Storage/Transport pressure 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.

ISOFOL 2426 S

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Colour	colourless light yellow
Form	liquid
Odour	odourless
Odour Threshold	No data available
Flash point	217 °C, 422 °F;
Flammability	Upper explosion limit: No data available Lower explosion limit: estimated 0.3 %(V)
Boiling point/boiling range	> 370 °C, > 698 °F;
Melting point/range	-33 °C, -27 °F;
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	< 0.001 mbar @ 20 °C, 68 °F;
Vapour density	No data available
Density	0.85 g/cm ³ @ 20 °C, 68 °F;
Relative density	No data available
Water solubility	insoluble
Viscosity	126 mm ² /s @ 20 °C, 68 °F;
Viscosity, dynamic	124 mPa.s @ 20 °C, 68 °F;
pH	No data available
Evaporation rate	No data available

ISOFOL 2426 S

Partition coefficient: n-octanol/water No data available

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** Keep away from heat and sources of ignition.
- Hazardous decomposition products** Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
- Materials to avoid** Can react with strong oxidizers, inorganic acids, and halogens.
- Hazardous polymerisation** None.

SECTION 11 TOXICOLOGICAL INFORMATION

- Acute dermal toxicity** LD50 Rabbit: > 2 mg/kg
Test substance: 2-octyldodecanol
Symptoms: Local irritation
- Acute inhalation toxicity** Negligible or unlikely exposure pathways
- Acute oral toxicity** LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 423
- Skin corrosion/irritation** (Rabbit): OECD Test Guideline 404
Mild skin irritation
- Serious eye damage/eye irritation** (Rabbit): OECD Test Guideline 405
Not irritating
- Respiratory or skin sensitisation** Guinea pig: not sensitizing; Maximisation Test
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
2-octyldodecanol
- Germ cell mutagenicity** **Genotoxicity in vitro:**
Type: Ames test; OECD Test Guideline 471
System: Salmonella typhimurium; with and without metabolic activation
Result: negative
Type: Chromosome aberration test in vitro; OECD Test Guideline 473

ISOFOL 2426 S

System: Human lymphocytes; with and without metabolic activation
Result: not mutagenic
Test substance: 2-hexyldecanol
Type: Mammalian cell gene mutation assay; OECD Test Guideline 476
System: Chinese hamster ovary cells; with and without metabolic activation
Result: negative
Test substance: 2-hexyldecanol

Genotoxicity in vivo:

In vitro tests did not show mutagenic effects

Assessment Mutagenicity:

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

Reproductive toxicity**Reproductive toxicity:**

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

Assessment Reproductive toxicity:

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

Teratogenicity:

Rat; Oral; OECD Test Guideline 414
NOAEL (teratogen): 1,000 mg/kg
NOAEL (maternal): 1,000 mg/kg
Test substance: 2-octyldecanol
(literature value)
Rabbit; Oral;
NOAEL (teratogen): 2,000 mg/kg
NOAEL (maternal): 2,000 mg/kg
Test substance: 1-docosanol
(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; 182-day; OECD Test Guideline 408
NOAEL: 1,000 mg/kg
Test substance: 1-docosanol
Rat; Oral; 90-day; NOAEL: 839.6 mg/kg
Test substance: 2-octyldecanol
(literature value)

Aspiration toxicity

Not applicable

ISOFOL 2426 S

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

SECTION 12 ECOLOGICAL INFORMATION

Toxicity to fish (Leuciscus idus (Golden orfe)) 48 hours; static test; DIN 38412
Test substance: 2-octyldodecanol
In the range of water solubility not toxic under test conditions.

Toxicity to aquatic invertebrates EC50 (Daphnia magna (Water flea)) 48 hours: > 100 mg/l; semi-static test; OECD Test Guideline 202
In the range of water solubility not toxic under test conditions.

Toxicity to algae (Desmodesmus subspicatus (green algae)) 72 hours; static test; DIN 38412
Test substance: 2-octyldodecanol
In the range of water solubility not toxic under test conditions.

Chronic toxicity to fish No data available

Chronic toxicity to aquatic invertebrates No data available

Toxicity to bacteria EC50 (activated sludge of a predominantly domestic sewage) 3 hours: > 1000 mg/l;
Respiration inhibition; OECD Test Guideline 209
Test substance: 2-octyldodecanol

Biodegradation Readily biodegradable.
OECD Test Guideline 301B (28 d): > 60 %
aerobic

Bioaccumulative potential BCF: < 100;
calculated
(literature value)
Bioaccumulation is unlikely.

Mobility in soil Adsorption/Soil; OECD Test Guideline 121
log Koc: 8.92 - 9.79
immobile
strong adsorption to soil
The substance and its relevant degradation products decompose rapidly.

Other adverse effects This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

ISOFOL 2426 S

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. 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. 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 Dispose of only in accordance with local, state, and federal regulations.

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 not regulated

IATA not regulated

IMDG not regulated

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**TSCA Inventory Listing****Components**

Alcohols, C12-13-branched and linear, dimerized

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

CAS-No.

2041102-78-5

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**

ISOFOL 2426 S

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.

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

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

European Union

The product does not need to be labelled in accordance with EC directives or respective national laws.

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

ISOFOL 2426 S

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®	1	1	0
NFPA	1	1	0

THE DATA AND INFORMATION CONTAINED HEREIN ARE BEING FURNISHED FOR INFORMATIONAL PURPOSES ONLY, UPON THE EXPRESS CONDITION THAT EACH CUSTOMER SHALL MAKE ITS OWN ASSESSMENT OF APPROPRIATE USE AND APPROPRIATE SHIPPING, TRANSFER AND STORAGE MATERIALS AND PROCEDURES FOR SASOL CHEMICALS (USA) LLC'S PRODUCTS. ALTHOUGH BASED ON INFORMATION SOURCES WHICH SASOL CHEMICALS (USA) LLC CONSIDERS ACCURATE AND RELIABLE, SASOL CHEMICALS (USA) LLC MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE VALIDITY OF THIS INFORMATION, THE INFORMATION SOURCES UPON WHICH THE SAME ARE BASED, OR THE RESULTS TO BE OBTAINED, AND EXPRESSLY DISCLAIMS LIABILITIES FOR DAMAGES OR INJURIES RESULTING FROM THE USE THEREOF.
