

NACOL Ether 8

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

Trade name	NACOL Ether 8	
Synonyms	Di-n-octyl; Dicaprylyl ether	
Use	Industrial use, Anti-foaming agent	
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	SasolElectronicSDS@us.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>
Dioctyl ether	629-82-3	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. 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.

NACOL Ether 8

SECTION 5 FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Fire/explosion NFPA Class IIIB combustible liquid.

Suitable extinguishing media Water spray. Foam. Dry chemical. Carbon dioxide (CO₂).

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.

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.

NACOL Ether 8

EXPOSURE GUIDELINES

Contains no substances with occupational exposure limit values.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid; 20 °C, 1,013 hPa
Colour	clear colourless
Form	liquid
Odour	characteristic
Odour Threshold	No data available
Flash point	135.5 °C, 276 °F;
Flammability	Upper explosion limit: No data available Lower explosion limit: No data available
Boiling point/boiling range	> 207 °C, > 405 °F; OECD Test Guideline 103;
Melting point/range	Pour point: approximately -7 °C, 19 °F;
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	< 0.4 hPa @ 20 °C, 68 °F; OECD Test Guideline 104;
Vapour density	No data available
Density	0.807 g/cm ³ @ 20 °C, 68 °F; OECD Test Guideline 109;
Relative density	No data available
Water solubility	insoluble
Viscosity	4.5 mm ² /s @ 20 °C, 68 °F;
Viscosity, dynamic	3.7 mPa.s @ 20 °C, 68 °F; OECD Test Guideline 114;

NACOL Ether 8

pH	Not applicable
Evaporation rate	No data available
Partition coefficient: n-octanol/water	log Pow: > 5.7; @ 23 °C, 73.4 °F;

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	Can react with strong oxidizers, inorganic acids, and halogens.
Hazardous polymerisation	None.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute dermal toxicity	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 402 (literature value)
Acute inhalation toxicity	Negligible or unlikely exposure pathways
Acute oral toxicity	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401 (literature value)
Skin corrosion/irritation	(human skin) slight irritation Based on available data, the classification criteria are not met. (literature value)
Serious eye damage/eye irritation	(Rabbit): OECD Test Guideline 405 slight irritation (literature value)
Respiratory or skin sensitisation	Guinea pig: not sensitizing; Maximisation Test (literature value)

NACOL Ether 8

Germ cell mutagenicity	<p>Genotoxicity in vitro: In vitro tests did not show mutagenic effects</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: No embryotoxic effects have been observed in animal tests.</p> <p>Assessment Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>Teratogenicity: Rat; Oral; 14-day; OECD Test Guideline 414 NOAEL (teratogen): 1,000 mg/kg NOAEL (maternal): 1,000 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; 90-day; OECD Test Guideline 408 NOAEL: 1,000 mg/kg (literature value) Based on available data, the classification criteria are not met.
Aspiration toxicity	Not applicable
Carcinogenicity	Assessment carcinogenicity: Contains no ingredient listed as a carcinogen

SECTION 12 ECOLOGICAL INFORMATION

Toxicity to fish	LC50 (Danio rerio (zebra fish)) 96 hours: > 100 mg/l; semi-static test; ISO 7346/2 (literature value)
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) 48 hours: > 100 mg/l; static test; OECD Test Guideline 202 (literature value)
Toxicity to algae	EC50 (Desmodesmus subspicatus (green algae)) 72 hours: > 10 - 100 mg/l; static test; OECD Test Guideline 201

NACOL Ether 8

	(literature value)
Chronic toxicity to fish	No data available
Chronic toxicity to aquatic invertebrates	NOEC (Daphnia magna (Water flea)) 21 d: 12.5 mg/l; semi-static test; OECD Test Guideline 211 (literature value)
Biodegradation	Readily biodegradable. OECD Test Guideline 301B (28 d): > 60 % aerobic (literature value)
Bioaccumulative potential	Bioaccumulation is unlikely.
Mobility in soil	Adsorption/Soil; OECD Test Guideline 121 log K _{oc} : > 4.1 immobile
Other adverse effects	No data available

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

NACOL Ether 8

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

Octane, 1,1'-oxybis-

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

CAS-No.

629-82-3

SARA 302 Status

Components

CAS-No.

Weight percent

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

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.

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

none

Reportable Quantity

Weight percent

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)

Listed

Japan. Inventory of Existing and New Chemical Substances (ENCS)

Listed

NACOL Ether 8

Japan. ISHL - Inventory of Chemical Substances	Listed
Canada. Domestic Substances List (DSL) Inventory	Not listed
Canada. Non-Domestic Substance Listing (NDSL)	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)	Not listed
New Zealand. Inventory of Chemical Substances (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Listed
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®	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.



NACOL Ether 8
