

## NACOL 22-98 Alcohol

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

<b>Trade name</b>	NACOL 22-98 Alcohol		
<b>Synonyms</b>	Behenyl Alcohol		
<b>Use</b>	Cosmetic agent, Fragrances, Industrial use, Pharmaceutical		
<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

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>
1-Docosanol	661-19-8	>98

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

### SECTION 4 FIRST AID MEASURES

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin contact</b>	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.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.

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**SECTION 5 FIREFIGHTING MEASURES**

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**FLAMMABLE PROPERTIES**

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

**Suitable extinguishing media** Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

**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**

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**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**

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

**Storage/Transport pressure** Ambient

**Load/Unload temperature** 77 - 88 °C  
170 - 190 °F

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**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** No personal respiratory protective equipment normally required. Use respirator when performing operations involving potential exposure to vapour of the product. Use NIOSH approved respiratory protection.

**EXPOSURE GUIDELINES**

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Contains no substances with occupational exposure limit values.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance</b>	solid; 20 °C, 1,013 hPa
<b>Colour</b>	colourless
<b>Form</b>	Solid
<b>Odour</b>	characteristic
<b>Odour Threshold</b>	No data available
<b>Flash point</b>	approximately 227 °C, 441 °F; DIN 51758;
<b>Flammability</b>	Upper explosion limit: Not applicable Lower explosion limit: Not applicable
<b>Boiling point/boiling range</b>	No data available
<b>Melting point/range</b>	approximately 69 - 73 °C, 156 - 163 °F;
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	No data available;
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	< 1,000 hPa @ 20 °C, 68 °F;
<b>Vapour density</b>	Not applicable
<b>Density</b>	approximately 0.8 g/cm <sup>3</sup> @ 80 °C, 176 °F; DIN 51757;
<b>Relative density</b>	No data available
<b>Water solubility</b>	insoluble
<b>Viscosity</b>	No data available
<b>Viscosity, dynamic</b>	approximately 7.5 mPa.s @ 80 °C, 176 °F;

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pH	No data available
Evaporation rate	No data available
Partition coefficient: n-octanol/water	log Pow: 8.3;

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**SECTION 10 STABILITY AND REACTIVITY**

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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.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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Additional Remarks	Information given is based on data obtained from similar substances.
Acute dermal toxicity	LD50 Rabbit: > 2,000 mg/kg Test substance: 1-eicosanol (conclusion by analogy).
Acute inhalation toxicity	LC50 value expected to exceed the saturated vapor concentration in air.
Acute oral toxicity	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 423 (literature value)
Skin corrosion/irritation	(Rabbit): OECD Test Guideline 404 Not irritating (literature value)
Serious eye damage/eye irritation	(Rabbit): OECD Test Guideline 405 Not irritating (literature value)

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**Respiratory or skin sensitisation** Guinea pig: not sensitizing; OECD Test Guideline 406 (literature value)

**Germ cell mutagenicity** **Genotoxicity in vitro:**  
Result: In vitro tests did not show mutagenic effects (literature value)

**Genotoxicity in vivo:**  
Result: In vivo tests did not show mutagenic effects (literature value)

**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 (literature value)

**Assessment Reproductive toxicity:**  
Based on available data, the classification criteria are not met.

**Teratogenicity:**  
Rabbit; Oral; 28-day;  
NOAEL (teratogen): > 2,000 mg/kg  
NOAEL (maternal): > 2,000 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; 182-day; OECD Test Guideline 408  
NOAEL: 1,000 mg/kg (literature value)  
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>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) 96 hours: > 100 mg/l; semi-static test; OECD Test Guideline 203 (literature value)
<b>Toxicity to aquatic invertebrates</b>	LC50 (Daphnia magna (Water flea)) 48 hours; QSAR In the range of water solubility not toxic under test conditions. (literature value)
<b>Toxicity to algae</b>	In the range of water solubility not toxic under test conditions.
<b>Chronic toxicity to fish</b>	No data available
<b>Chronic toxicity to aquatic invertebrates</b>	No data available
<b>Biodegradation</b>	Readily biodegradable. OECD Test Guideline 301B (28 d): > 60 % (literature value)
<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely.
<b>Mobility in soil</b>	Adsorption/Soil Koc: 112000 immobile
<b>Other adverse effects</b>	This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

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**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. 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.
<b>Disposal methods</b>	Dispose of only in accordance with local, state, and federal regulations.

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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** 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

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#### U.S. FEDERAL REGULATIONS

##### TSCA Inventory Listing

###### Components

1-Docosanol

###### CAS-No.

661-19-8

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

##### 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

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### 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
Japan. ISHL - Inventory of Chemical Substances	Listed
Canada. Domestic Substances List (DSL) Inventory	Listed
Canada. Non-Domestic Substance Listing (NDSL)	Not 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

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### HAZARD RATINGS

Health

Flammability

Physical Hazard/  
Instability



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<b>HMIS®</b>	1	1	0
<b>NFPA</b>	0	1	0

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