

## ALFOL 20+ Alcohol

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

<b>Trade name</b>	ALFOL 20+ Alcohol	
<b>Synonyms</b>	Heavy Linear Alcohol Distillation Fraction	
<b>Use</b>	Industrial use, Industrial & Institutional cleaning, Lubricants, Oilfield Drilling, Paper Chemical, Personal care	
<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>
Alcohols, C16-18, distn. residues	68603-17-8	100

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** Not applicable

**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** 66 - 82 °C  
150 - 180 °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.

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**EXPOSURE GUIDELINES**

Contains no substances with occupational exposure limit values.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance</b>	Solid
<b>Colour</b>	off-white
<b>Form</b>	Wax like
<b>Odour</b>	sweet
<b>Odour Threshold</b>	No data available
<b>Flash point</b>	approximately 199 °C, 390 °F; ASTM D 93;
<b>Flammability</b>	Upper explosion limit: approximately 5.0 %(V) Lower explosion limit: approximately 0.4 %(V)
<b>Boiling point/boiling range</b>	approximately 343 °C, 650 °F;
<b>Melting point/range</b>	approximately 45 - 54 °C, 113 - 139 °F;
<b>Auto-ignition temperature</b>	approximately 336 °C, 637 °F;
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	approximately 0.13 mm Hg @ 93 °C, 200 °F;
<b>Vapour density</b>	approximately 10.3 - 14.1
<b>Density</b>	approximately 0.815 g/cm <sup>3</sup> @ 63 °C, 145 °F;
<b>Relative density</b>	No data available
<b>Water solubility</b>	insoluble
<b>Viscosity</b>	4.8 - 5.3 cSt @ 99 °C, 210 °F;
<b>pH</b>	No data available

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**Evaporation rate** No data available

**Partition coefficient: n-octanol/water** No data available

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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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**Acute dermal toxicity** LD50 Rabbit: > 10,000 mg/kg

**Acute inhalation toxicity** Rat (6 hours)  
Survived exposure to concentrated vapors.

**Acute oral toxicity** LD50 Rat: > 10,000 mg/kg

**Skin corrosion/irritation** Primary irritation (Rabbit): 0 (Max. score is 8.0.)  
Not irritating

**Serious eye damage/eye irritation** Primary irritation (Rabbit): 2 (Max. score is 110.)  
Not irritating

**Respiratory or skin sensitisation** No data available

**Germ cell mutagenicity** **Genotoxicity in vitro:**  
No data available

**Genotoxicity in vivo:**  
No data available

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**Assessment Mutagenicity:**

No data available

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

No data available

**Assessment Reproductive toxicity:**

No data available

**Teratogenicity:**

No data available

**Assessment teratogenicity:**

No data available

**STOT - single exposure** No data available

**STOT - repeated exposure** No data available

**Aspiration toxicity** No data available

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

## SECTION 12 ECOLOGICAL INFORMATION

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**Aquatic toxicity** Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.

**Toxicity to fish** LC50 (Oncorhynchus mykiss (rainbow trout)) 96 hours; semi-static test  
Test substance: 1-Octadecanol  
In the range of water solubility not toxic under test conditions.  
(literature value)

**Toxicity to aquatic invertebrates** EC50 (Daphnia magna (Water flea)) 48 hours  
In the range of water solubility not toxic under test conditions.  
(predicted value)

**Toxicity to algae** EC50 (algae) 72 hours  
In the range of water solubility not toxic under test conditions.  
(literature value)  
Category approach

**Chronic toxicity to fish** No data available

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<b>Chronic toxicity to aquatic invertebrates</b>	NOEC (Daphnia magna (Water flea)) 21 d In the range of water solubility not toxic under test conditions. (predicted value)
<b>Biodegradation</b>	Readily biodegradable. OECD Test Guideline 301B (28 d): > 60 % (literature value)
<b>Bioaccumulative potential</b>	No data available
<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. 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.
<b>Empty containers.</b>	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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<b>DOT</b>	not regulated
<b>IATA</b>	not regulated
<b>IMDG</b>	not regulated

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

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Remarks No data available

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**SECTION 15 REGULATORY INFORMATION**


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**U.S. FEDERAL REGULATIONS****TSCA Inventory Listing****Components**

Alcohols, C16-18, distn. residues

**CAS-No.**

68603-17-8

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****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)**

Listed

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

Listed

**Japan. ISHL - Inventory of Chemical Substances**

Not listed

**Canada. Domestic Substances List (DSL) Inventory**

Listed

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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

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

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