

ISALCHEM® 125A Alcohol

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

Trade name	ISALCHEM® 125A Alcohol	
Synonyms	Isomeric Primary Alcohol	
Use	Raw material for chemical processes, Industrial use	
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

Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

LABEL ELEMENTS**Hazard symbols****Signal word** Warning

Hazard statements H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements**Prevention** P273 Avoid release to the environment.**Response** P391 Collect spillage.**Disposal** P501 Dispose of contents/ container to an approved waste disposal plant.

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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Alcohols, C10-16	67762-41-8	40 - 60
Alcohols, C14-18	67762-30-5	40 - 60

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.

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.

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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 sweet pungent

Odour Threshold no data available

Flash point 135 °C, 275 °F; TCC;

Flammability Upper explosion limit: approximately 6.0 %(V)

Lower explosion limit: approximately 0.5 %(V)

Boiling point/boiling range 261 - 298 °C, 502 - 568 °F;

Melting point/range pour point: 12 °C, pour point, 54 °F;

Auto-ignition temperature Not available

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Decomposition temperature	no data available
Flammability (solid, gas)	no data available
Vapour pressure	< 0.04 hPa @ 20 °C, 68 °F;
Vapour density	7.1
Density	0.836 g/cm ³ @ 20 °C, 68 °F;
Specific gravity	no data available
Water solubility	insoluble
Viscosity	35 cSt @ 20 °C, 68 °F;
pH	no data available
Evaporation rate	no data available
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. Stable under normal conditions.
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 rat: > 2,000 mg/kg; OECD Test Guideline 402
Acute inhalation toxicity	no data available
Acute oral toxicity	LD50 rat: > 2,000 mg/kg; OECD Test Guideline 401

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Skin corrosion/irritation	(rabbit): OECD Test Guideline 404 slight irritation
Eye damage/irritation	(rabbit): OECD Test Guideline 405 Not irritating
Respiratory or skin sensitization	guinea pig: not sensitizing; Maximisation Test OECD Test Guideline 406
Germ cell mutagenicity	<p>Genotoxicity in vitro: In vitro tests did not show mutagenic effects.</p> <p>Genotoxicity in vivo: In vivo tests did not show mutagenic effects</p> <p>Assessment Mutagenicity: Based on available data, the classification criteria are not met.</p>
Reproductive toxicity	<p>Reproductive toxicity: rat; Oral; OECD Test Guideline 422 NOAEL (parents): 2,000 mg/kg NOAEL (F1): 2,000 mg/kg (literature value)</p> <p>Assessment Reproductive toxicity: Based on available data, the classification criteria are not met.</p> <p>Teratogenicity: rat; Oral; NOAEL (teratogen): 2,000 mg/kg NOAEL (maternal): 2,000 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	<p>rat; Oral; 28-day; OECD Test Guideline 407 NOAEL: 300 mg/kg Test substance: Alcohols, C12-13 branched and linear Target Organs: Lungs Symptoms: reduced body weight gain, Fatigue, Breathing difficulties</p> <p>rat; Oral; OECD Test Guideline 408 NOAEL: 167 mg/kg Test substance: Alcohols, C14-15 branched and linear; (literature value) Target Organs: Liver The substance or mixture is not classified as specific target organ toxicant, repeated exposure.</p>
Aspiration toxicity	Based on available data, the classification criteria are not met.

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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 (Salmo gairdneri) 96 hours; static test; OECD Test Guideline 203
Test substance: Alcohols, C12-13 branched and linear
In the range of water solubility not toxic under test conditions., (literature value)

(Salmo gairdneri) 96 hours; static test; OECD Test Guideline 203
Test substance: Alcohols, C14-15 branched and linear
In the range of water solubility not toxic under test conditions., (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
Test substance: Alcohols, C12-13 branched and linear
(literature value)

(Daphnia magna (Water flea)) 48 hours; static test; OECD Test Guideline 202
Test substance: 1-Tetradecanol
In the range of water solubility not toxic under test conditions., (literature value)

Toxicity to algae EC50: > 0.1 - 1 mg/l; static test; OECD Test Guideline 201
Test substance: Alcohols, C12-13 branched and linear
(literature value)

(Pseudokirchneriella subcapitata (green algae)) 72 hours; static test; OECD Test Guideline 201
Test substance: Alcohols, C14-15 branched and linear
In the range of water solubility not toxic under test conditions., (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; OECD Test Guideline 211
Test substance: 1-Tetradecanol

(Daphnia magna (Water flea)) 23 d: 0.0078 mg/l; semi-static test; OECD Test Guideline 211
Test substance: Pentadecanol

Biodegradation Readily biodegradable.

(28 d): > 60 %
Test substance: Alcohols, C12-13 branched and linear

(28 d): > 60 %
Test substance: Alcohols, C14-15 branched and linear

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Bioaccumulation no data available

Mobility in soil no data available

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 UN 3082, Environmentally hazardous substance, liquid, n.o.s.(mixture contains 1-Dodecanol), 9, III
This product is not regulated as a dangerous good when shipped by air in quantities less than 119 gallons per package.

IMDG UN 3082, Environmentally hazardous substance, liquid, n.o.s., (mixture contains 1-Dodecanol), 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)**

ISALCHEM® 125A Alcohol

Non-hazardous substance

TSCA Inventory Listing

Components

Alcohols, C10-16

Alcohols, C14-18

CAS-No.

67762-41-8

67762-30-5

SARA 302 Status

Components

CAS-No.

Weight percent

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

SARA 311/312 Classification

Non-hazardous substance

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

Reportable Quantity

Weight percent

none

INTERNATIONAL REGULATIONS

WHMIS Classification

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

European Union

Classification according to Regulation (EU) 1272/2008.

Acute aquatic toxicity, Category 1

Chronic aquatic toxicity, Category 1

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

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China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Not listed
New Zealand. Inventory of Chemicals (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

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