

## ISOCARB 16

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


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<b>Trade name</b>	ISOCARB 16	
<b>Synonyms</b>	Branched carboxylic acids; ISC1603	
<b>Use</b>	Raw material for chemical processes, Lubricant or lubricant additive, Metal Processing, Raw material for cosmetic agents	
<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	

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**SECTION 2 HAZARDS IDENTIFICATION**


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<b>OSHA/GHS</b>	Skin irritation	Category 2
<b>Hazards</b>	Skin sensitisation	Category 1B
	Acute aquatic toxicity	Category 1

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

**Hazard statements** H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H400 Very toxic to aquatic life.

**Precautionary statements**

**Prevention** P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ eye protection/ face protection.

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P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.

**Response** P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
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**

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<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Decanoic acid, 2-hexyl-	25354-97-6	100

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

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**SECTION 4 FIRST AID MEASURES**

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**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. 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** If possible drink milk afterwards. Do not induce vomiting without medical advice. Call a physician or poison control centre immediately. 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 Foam Dry chemical Carbon dioxide (CO<sub>2</sub>)

**Protective equipment and precautions for firefighters** Wear self-contained breathing apparatus and protective suit.

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**Further information** Cool closed containers exposed to fire with water spray.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**Methods and materials for containment and cleaning up** 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). Prevent further leakage or spillage if safe to do so.

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**SECTION 7 HANDLING AND STORAGE**

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**Safe handling advice** Take measures to prevent the build up of electrostatic charge.

**Storage/Transport pressure** Ambient

**Load/Unload temperature** 165 - 201 °C  
74 - 94 °F

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**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING MEASURES**

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines). Ensure adequate ventilation, especially in confined areas.

**PERSONAL PROTECTIVE EQUIPMENT**

**Eyes** Wear as appropriate:  
Goggles Face-shield

**Skin** Full protective clothing, chemical boots, and chemical gloves.

**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.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance** liquid

**Colour** Clear, colorless

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<b>Form</b>	liquid
<b>Odour</b>	odourless
<b>Odour Threshold</b>	No data available
<b>Flash point</b>	170 °C, 338 °F; DIN 51758;
<b>Flammability</b>	Upper explosion limit: No data available Lower explosion limit: No data available
<b>Boiling point/boiling range</b>	180 - 185 °C, 356 - 365 °F;
<b>Melting point/range</b>	16 - 18 °C, 61 - 64 °F;
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour pressure</b>	< 10 mbar @ 205 °C, 401 °F;
<b>Density</b>	0.877 g/cm <sup>3</sup> @ 20 °C, 68 °F;
<b>Relative density</b>	No data available
<b>Water solubility</b>	insoluble
<b>Viscosity</b>	30 cSt @ 20 °C, 68 °F;
<b>Viscosity, dynamic</b>	62 mPa.s @ 20 °C, 68 °F;
<b>pH</b>	Not applicable
<b>Evaporation rate</b>	Not applicable
<b>Partition coefficient: n-octanol/water</b>	log Pow: 4.6; OECD Test Guideline 107

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**SECTION 10 STABILITY AND REACTIVITY**

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<b>Reactivity</b>	No decomposition if stored and applied as directed.
<b>Chemical stability</b>	The product is chemically stable.
<b>Conditions to avoid</b>	Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.
<b>Hazardous decomposition products</b>	Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
<b>Materials to avoid</b>	Keep away from oxidizing agents and strongly acid or alkaline materials..
<b>Hazardous polymerisation</b>	None.

**SECTION 11 TOXICOLOGICAL INFORMATION**

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<b>Additional Remarks</b>	Data derived from evaluations or test results achieved with similar products.
<b>Acute dermal toxicity</b>	LD50: > 2,000 mg/kg; OECD Test Guideline 402 Test substance: 2-Decyltetradecanoic acid The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Based on available data, the classification criteria are not met.
<b>Acute inhalation toxicity</b>	No data available
<b>Acute oral toxicity</b>	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401 Category approach Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	(Rabbit): OECD Test Guideline 404 Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	(Rabbit): OECD Test Guideline 405 slight irritation Based on available data, the classification criteria are not met.
<b>Respiratory or skin sensitisation</b>	Mouse: Causes sensitisation.; local lymphnode assay May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	<b>Genotoxicity in vitro:</b> Type: Ames test; OECD Test Guideline 471 System: Salmonella typhimurium; with and without metabolic activation Result: In vitro tests did not show mutagenic effects Based on available data, the classification criteria are not met.

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**Genotoxicity in vivo:**

No data available

**Assessment Mutagenicity:**

Not mutagenic in Ames Test

**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** The substance or mixture is not classified as specific target organ toxicant, single exposure.

**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

**Toxicity to fish** (Danio rerio (zebra fish)) 96 hours; semi-static test; OECD Test Guideline 203  
Test substance: 2-Decyltetradecanoic acid  
In the range of water solubility not toxic under test conditions.  
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Toxicity to aquatic invertebrates** EC50 (Daphnia magna (Water flea)) 48 hours: > 0.1 - 1 mg/l; static test; OECD Test Guideline 202

**Toxicity to algae** EC50 (Pseudokirchneriella subcapitata (green algae)) 72 hours: > 10 - 100 mg/l; static test; OECD Test Guideline 201  
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

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(Pseudokirchneriella subcapitata (green algae)) 72 hours: > 1 - 10 mg/l; static test; OECD Test Guideline 201

The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Chronic toxicity to fish** No data available

**Chronic toxicity to aquatic invertebrates** No data available

**Biodegradation** rapidly biodegradable  
OECD Test Guideline 301B (28 d): > 60 %

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**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.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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**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.

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**SECTION 14 TRANSPORT INFORMATION**

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## ISOCARB 16

- DOT** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Decanoic acid, 2-hexyl-), 9, III, Marine pollutant  
Not regulated in non-bulk packaging of 119 gallons or less or a net mass of 882 pounds or less per package.
- IATA** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Decanoic acid, 2-hexyl-), 9, III  
Not regulated in non-bulk packaging of 5L or less or a net mass of 5kg or less per package.
- IMDG** UN 3082, Environmentally hazardous substance, liquid, n.o.s., (Decanoic acid, 2-hexyl-), 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

#### TSCA Inventory Listing

Components

Decanoic acid, 2-hexyl-

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

CAS-No.

25354-97-6

#### 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

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

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.

CAS-No.

Weight percent

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components

none

Reportable Quantity

Weight percent



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### INTERNATIONAL REGULATIONS

#### WHMIS Classification

Skin irritation	Category 2
Skin sensitisation	Category 1B
Acute aquatic toxicity	Category 1

#### European Union

Classification according to Regulation (EU) 1272/2008.

Skin irritation, Category 2  
 Skin sensitisation, Category 1B  
 Acute aquatic toxicity, Category 1

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



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**SECTION 16 OTHER INFORMATION**

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**HAZARD RATINGS**

	<u>Health</u>	<u>Flammability</u>	<u>Physical Hazard/ Instability</u>
<b>HMIS®</b>	2	1	0
<b>NFPA</b>	2	1	0

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