

**ISOCARB® 16****SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

<b>Trade name</b>	ISOCARB® 16		
<b>Synonyms</b>	Branched carboxylic acids		
<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
	MSDS 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****GHS Hazards**

Skin sensitisation Category 1

**LABEL ELEMENTS****Hazard symbols****Signal word** Warning**Hazard statements** H317 May cause an allergic skin reaction.**Precautionary statements**

**Prevention** P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.

**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.  
P363 Wash contaminated clothing before reuse.

**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.

**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.

**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.

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

**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.

**SECTION 7 HANDLING AND STORAGE**

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

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**Storage/Transport pressure** Ambient

**Load/Unload temperature** 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** colourless

**Form** liquid

**Odour** odourless

**Odour Threshold** no data available

**Flash point** 170 °C, 338 °F; DIN 51758;

**Flammability** Upper explosion limit: no data available

Lower explosion limit: no data available

**Boiling point/boiling range** 180 - 185 °C, 356 - 365 °F;

**Melting point/range** 16 - 18 °C, 61 - 64 °F;

**Auto-ignition temperature** no data available

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<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>	0.874 - 0.880 g/cm <sup>3</sup> @ 20 °C, 68 °F;
<b>Specific gravity</b>	no data available
<b>Water solubility</b>	insoluble
<b>Viscosity</b>	53 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 oxidising agents and strongly acid or alkaline materials.
<b>Hazardous polymerisation</b>	None.

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**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>	no data available
<b>Acute inhalation toxicity</b>	no data available

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<b>Acute oral toxicity</b>	LD50 rat: > 2,000 mg/kg; OECD Test Guideline 401
<b>Skin corrosion/irritation</b>	(rabbit): OECD Test Guideline 404 Test substance: 2-Butyloctanoic acid Not irritating
<b>Eye damage/irritation</b>	(rabbit): OECD Test Guideline 405 Test substance: 2-Butyloctanoic acid slight irritation
<b>Respiratory or skin sensitization</b>	mouse: Causes sensitisation; local lymphnode assay
<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. Test substance: 2-Butyloctanoic acid  <b>Genotoxicity in vivo:</b> no data available  <b>Assessment Mutagenicity:</b> Not mutagenic in Ames Test.
<b>Reproductive toxicity</b>	<b>Reproductive toxicity:</b> no data available  <b>Assessment Reproductive toxicity:</b> no data available  <b>Teratogenicity:</b> no data available  <b>Assessment teratogenicity:</b> no data available
<b>STOT - single exposure</b>	The substance or mixture is not classified as specific target organ toxicant, single exposure.
<b>STOT - repeated exposure</b>	no data available
<b>Aspiration toxicity</b>	no data available
<b>Carcinogenicity</b>	<b>Assessment carcinogenicity:</b> Contains no ingredient listed as a carcinogen

## SECTION 12 ECOLOGICAL INFORMATION

**Toxicity to fish** no data available

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<b>Toxicity to aquatic invertebrates</b>	(Daphnia magna (Water flea)) 48 hours; static test; OECD Test Guideline 202 Test substance: 2-Decyltetradecanoic acid In the range of water solubility not toxic under test conditions., Information given is based on data obtained from similar substances.
<b>Toxicity to algae</b>	no data available
<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 301D (28 d): > 60 % Test substance: 2-Butyloctanoic acid Information given is based on data obtained from similar substances.  CEC L-33-T-82 (21 d): 100 %
<b>Bioaccumulation</b>	no data available
<b>Mobility in soil</b>	no data available
<b>Other adverse effects</b>	no data available

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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.
<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.

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**SECTION 14 TRANSPORT INFORMATION**

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**DOT** Not regulated.

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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****U.S. FEDERAL REGULATIONS****OSHA Hazards (HCS 1994)**

Non-hazardous substance

**TSCA Inventory Listing****Components**

Decanoic acid, 2-hexyl-

**CAS-No.**

25354-97-6

**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**

"Immediate (acute) health hazard"

**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**

none

**Reportable Quantity****Weight percent****INTERNATIONAL REGULATIONS****WHMIS Classification**

Class D, Division 2, Subdivision A: Very toxic material

**European Union**

Directive 96/82/EC does not apply

Classification according to Regulation (EU) 1272/2008.

Skin sensitisation, Category 1

**Australia. Inventory of Chemical Substances (AICS)**

Not listed

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

Listed

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Japan. Industrial Safety & Health Law (ISHL) Inventory	Listed
Canada. Domestic Substances List (DSL) Inventory	Not listed
Canadian Non-Domestic Substance Listing (NDSL)	Listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing	Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Not 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 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>
<b>HMIS®</b>	2	1	0
<b>NFPA</b>	2	1	0

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