



ISOCARB 12

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

Trade name	ISOCARB 12	
Synonyms	Branched carboxylic acids	
Use	Industrial use, Personal care	
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
	SDS 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

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>
Octanoic acid, 2-butyl-	27610-92-0	100

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. 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

FLAMMABLE PROPERTIES

Fire/explosion May be ignited by open flame.
NFPA Class IIIB combustible liquid.

Suitable extinguishing media Water spray. Foam. Dry chemical. Carbon dioxide (CO₂).

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

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

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

Storage/Transport pressure Ambient

Load/Unload temperature 10 - 30°F above the melting point. (5.5 - 16.7°C)

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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 Chemical resistant goggles must be worn.

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

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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	odourless
Odour Threshold	No data available
Flash point	approximately 157 °C, 315 °F; DIN 51758;
Flammability	Upper explosion limit: No data available Lower explosion limit: No data available
Boiling point/boiling range	approximately 270 - 298 °C, 518 - 568 °F;
Melting point/range	approximately -13 - -9 °C, 9 - 16 °F;
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	approximately < 1.00 hPa @ 20 °C, 68 °F;
Vapour density	None.
Density	0.885 - 0.890 g/cm ³ @ 20 °C, 68 °F; DIN 51757;
Relative density	No data available
Water solubility	insoluble

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Viscosity	No data available
Viscosity, dynamic	approximately 26.4 mPa.s @ 20 °C, 68 °F;
pH	Not applicable
Evaporation rate	No data available
Partition coefficient: n-octanol/water	log Pow: 3.8; OECD Test Guideline 107

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.
Hazardous decomposition products	Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
Materials to avoid	Keep away from oxidizing agents and strongly acid or alkaline materials..
Hazardous polymerisation	None.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute dermal toxicity	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 402
Acute inhalation toxicity	Negligible or unlikely exposure pathways
Acute oral toxicity	LD50 Rat: > 2,000 mg/kg; OECD Test Guideline 401
Skin corrosion/irritation	(Rabbit): OECD Test Guideline 404 slight irritation
Serious eye damage/eye irritation	(Rabbit): OECD Test Guideline 405 slight irritation
Respiratory or skin sensitisation	Mouse: not sensitizing; local lymphnode assay OECD Test Guideline 429
Germ cell mutagenicity	Genotoxicity in vitro:

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Type: Ames test; OECD Test Guideline 471
 System: Salmonella typhimurium; with and without metabolic activation
 Result: In vitro tests did not show mutagenic effects

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:

Rat; Oral;
 NOAEL (teratogen): 200 mg/kg
 NOAEL (maternal): 25 mg/kg

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; NOAEL: 25 mg/kg
 LOAEL: 200 mg/kg
 Symptoms: Respiratory disorders, Piloerection
 Based on available data, the classification criteria are not met.

Aspiration toxicity Not applicable

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

SECTION 12 ECOLOGICAL INFORMATION

Toxicity to fish No data available

Toxicity to aquatic invertebrates EC50 (Daphnia magna (Water flea)) 48 hours: 10 - 100 mg/l; static test; OECD Test Guideline 202

Toxicity to algae No data available

Chronic toxicity to fish No data available

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Chronic toxicity to aquatic invertebrates	No data available
Biodegradation	Readily biodegradable. OECD Test Guideline 301B (28 d): > 60 % aerobic
Bioaccumulative potential	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	not regulated
IMDG	not regulated

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

Remarks No data available

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SECTION 15 REGULATORY INFORMATION

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

Octanoic acid, 2-butyl-

CAS-No.

27610-92-0

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****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. Directive 96/82/EC does not apply

Australia. Inventory of Chemical Substances (AICS)

Not listed

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

Listed

Japan. ISHL - Inventory of Chemical Substances

Listed

Canada. Domestic Substances List (DSL) Inventory

Not listed

Canada. Non-Domestic Substance Listing (NDSL)

Listed

Philippines. Inventory of Chemicals / Chemical Substances (PICCS)

Not 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 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****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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