

## Material Safety Data Sheet

Hexanoic acid

MSDS# 25429

## Section 1 - Chemical Product and Company Identification

MSDS Name: Hexanoic acid

Catalog Numbers: AC120700000, AC120700010, AC120700025, AC120700050, AC120702500, AC120705000, AC120705000, AC411640000, AC411640010, AC411640050, AC411642500, ACE1050244, ACE1050251 ACE1050251

Synonyms: Caproic acid.

## Company Identification:

Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

## Company Identification: (USA)

Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

For information in the US, call:

800-ACROS-01

For information in Europe, call:

+32 14 57 52 11

Emergency Number, Europe:

+32 14 57 52 99

Emergency Number US:

201-796-7100

CHEMTREC Phone Number, US:

800-424-9300

CHEMTREC Phone Number, Europe:

703-527-3887

## Section 2 - Composition, Information on Ingredients

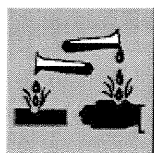
CAS#: 142-62-1

Chemical Name: Hexanoic acid

%: >98

EINECS#: 205-550-7

Hazard Symbols: C



Risk Phrases: 21 34

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

Danger! May be harmful if swallowed. Causes eye and skin burns. Causes digestive and respiratory tract irritation with possible burns. Harmful if absorbed through skin or if inhaled. Target Organs: Eyes, skin, mucous membranes.

## Potential Health Effects

Eye: Causes eye burns.

Skin: Harmful if absorbed through the skin. Causes skin burns.

Ingestion: May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns.

Material has a very low vapor pressure at room temperature, so inhalation exposures are not expected unless material is heated or misted. Very low vapor concentrations can be detected by smell. Mist & vapor from heated

Inhalation: solution can probably irritate the nose, throat &amp; lungs. This effect may be mild to severe depending on the

airborne concentration & exposure duration. Symptoms would include nose irritation, sore throat, coughing, & hoarseness.

Chronic: Prolonged or repeated skin contact may cause dermatitis.

#### Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

#### Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Liquid will float and may reignite on the surface of water.

Extinguishing Media: Use foam, dry chemical, or carbon dioxide. This material is lighter than water and insoluble in water. The fire could easily be spread by the use of water in an area where the water cannot be contained.

Autoignition Temperature: 380 deg C ( 716.00 deg F)

Flash Point: 102 deg C ( 215.60 deg F)

Explosion Limits: Lower: 1.3 vol %

Explosion Limits: Upper: 9.3 vol %

NFPA Rating: health: 3; flammability: 1; instability: 0;

#### Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Provide ventilation.

#### Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong bases. Separate from oxidizing materials.

#### Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Hexanoic acid	none listed	none listed	none listed

OSHA Vacated PELs: Hexanoic acid: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.  
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a  
Respirators: NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

#### Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: oily, colorless to light yellow

Odor: stench - strong rancid-cheese

pH: Not available

Vapor Pressure: 0.0435 mm Hg @ 25 deg C

Vapor Density: 4.01 (air=1)

Evaporation Rate: Not available

Viscosity: 3.23 mPa.s @ 20 deg C

Boiling Point: 202-203 deg C

Freezing/Melting Point: -3 deg C ( 26.60°F)

Decomposition Temperature: Not available

Solubility in water: 1.1% IN WATER (20°C)

Specific Gravity/Density: .920 g/ml

Molecular Formula: C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>

Molecular Weight: 116.16

#### Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Excess heat, confined spaces.
Incompatibilities with Other Materials	Strong oxidizing agents, strong reducing agents, strong bases.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

#### Section 11 - Toxicological Information

RTECS#: CAS# 142-62-1: MO5250000

RTECS:

**CAS# 142-62-1:** Dermal, guinea pig: LD50 = 5 mL/kg;

Draize test, rabbit, eye: 750 ug Severe;

Inhalation, mouse: LC50 = 4100 mg/m<sup>3</sup>/2H;

LD50/LC50: Oral, mouse: LD50 = 5 gm/kg;

Oral, rat: LD50 = 2050 uL/kg;

Skin, rabbit: LD50 = 630 uL/kg;

Other: Oral, rat: LD50 = 2050 uL/kg = 1886 mg/kg., Dermal, rabbit: LD50 = 630 uL/kg = 580 mg/kg.

Carcinogenicity: Hexanoic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

#### Section 12 - Ecological Information

Other: No information available.

#### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

#### Section 14 - Transport Information

US DOT

Shipping Name: CAPROIC ACID

Hazard Class: 8

UN Number: UN2829

Packing Group: III

Canada TDG

Shipping Name: CAPROIC ACID

Hazard Class: 8  
UN Number: UN2829  
Packing Group: III

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 21 Harmful in contact with skin.

R 34 Causes burns.

Safety Phrases:

S 25 Avoid contact with eyes.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 142-62-1: 1

Canada

CAS# 142-62-1 is listed on Canada's DSL List

Canadian WHMIS Classifications: E, D1B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 142-62-1 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 142-62-1 is listed on the TSCA  
Inventory.

**REVIEWED**

DATE: May 4/2012



Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #6 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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