

# HEXANOIC ACID

1167

March 1998

CAS No: 142-62-1  
 RTECS No: MO5250000  
 UN No: 2829  
 EC No:

Butylacetic acid  
 Capronic acid  
 n-Caproic acid  
 $C_6H_{12}O_2 / CH_3(CH_2)_4COOH$   
 Molecular mass: 116.2

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible.	NO open flames. NO contact with strong oxidants.	Powder, AFFF, foam, carbon dioxide.
<b>EXPLOSION</b>			

EXPOSURE		PREVENT GENERATION OF MISTS!	
<b>Inhalation</b>	Cough. Sore throat.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
<b>Skin</b>	Redness. Pain.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
<b>Eyes</b>	Redness. Pain. Blurred vision.	Safety goggles, or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
<b>Ingestion</b>		Do not eat, drink, or smoke during work.	Rinse mouth. Do NOT induce vomiting. Give plenty of water to drink. Rest.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Collect leaking liquid in sealable containers. Wash away spilled liquid with plenty of water. Do NOT wash away into sewer.	Symbol R: S: UN Hazard Class: 8 UN Pack Group: III Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-80G20c NFPA Code: H2; F1; R0	Separated from strong oxidants, strong bases, food and feedstuffs.



### IMPORTANT DATA

**Physical State; Appearance**

OILY, COLOURLESS LIQUID, WITH CHARACTERISTIC ODOUR.

**Chemical Dangers**

The substance is a weak acid. Reacts violently with strong bases and oxidants.

**Occupational Exposure Limits**

TLV not established. MAK not established.

**Routes of Exposure**

The substance can be absorbed into the body by inhalation of its aerosol and through the skin.

**Inhalation Risk**

A harmful contamination of the air will not or will only very slowly be reached on evaporation of this substance at 20°C.

**Effects of Short-term Exposure**

The substance irritates the eyes, the skin and the respiratory tract. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

**Effects of Long-term or Repeated Exposure**

See Notes.

### PHYSICAL PROPERTIES

Boiling point: 205°C

Melting point: -3°C

Relative density (water = 1): 0.93

Solubility in water, g/100 ml at 20°C: 1.1

Vapour pressure, Pa at 20°C: 27

Relative vapour density (air = 1): 4.0

Relative density of the vapour/air-mixture at 20°C (air = 1): 1.0

Flash point: 102°C o.c.

Auto-ignition temperature: 380°C

Explosive limits, vol% in air: 1.3-9.3

Octanol/water partition coefficient as log Pow: 1.88

### ENVIRONMENTAL DATA

The substance is harmful to aquatic organisms.

### NOTES

Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken. Hexacid 698 is a trade name.

### ADDITIONAL INFORMATION

**LEGAL NOTICE**

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information