



Trade name: 2-Ethyl-1-hexanol

Product no.: 000104-76-7

Status: 9.1.2004

**1.) Identification of the substance/preparation and company****Product details****Trade name****2-Ethyl-1-hexanol****Use**

Chemical processes general; Special applications in general

**Identification of the manufacturer / supplier****Address**HELM AG  
Nordkanalstraße 28  
D-20097 Hamburg

Telephone no. +49(0)40 / 2375-0

Fax no. +49(0)40 / 2375-1845

**Information provided by / telephone**

Telephone: +49(0)40 / 23750 Fax: +49(0)40 / 23751845

**Emergency telephone number**

Your national toxic substance emergency call centre.

**2.) Composition / information on ingredients****Chemical characterization**

2-ethylhexan-1-ol

**Substance / product identification**

CAS no. 104-76-7

EC no. 203-234-3

**3.) Hazards identification****Classification**

Xi; R36/37/38 Irritating to eyes, respiratory system and skin.

**Hazard symbols**

Xi Irritant

**R phrases**

36/37/38 Irritating to eyes, respiratory system and skin.

**4.) First aid measures****General information**

Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary. If the patient is likely to become unconscious, place and transport in stable sideways position.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment. Breathing with the help of a ventilator bag or ventilator.

**After skin contact**

In case of contact with skin wash off immediately with soap and water.

**After eye contact**

In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

**5.) Fire-fighting measures****Suitable extinguishing media**

Alcohol-resistant foam; extinguishing powder; Water spray jet; Carbon dioxide

**Special protective equipment for firefighting**

Use self-contained breathing apparatus.

**Other information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

**6.) Accidental release measures****Personal precautions**

Ensure adequate ventilation.

**Environmental precautions**

Do not allow to enter drains or waterways.

**Methods for cleaning up/taking up**

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.



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**Additional informations (chapter 6)**

Information regarding Waste Disposal, see chapter 13.

**7.) Handling and storage****Handling****Advice on safe handling**

Provide good ventilation of working area (local exhaust ventilation if necessary).

**Advice on protection against fire and explosion**

Keep away from sources of ignition - refrain from smoking. Take precautionary measures against static charges.

**Storage****Further information on storage conditions**

Keep container tightly closed. Store in a dry place.

**8.) Exposure controls / personal protection****Exposure limit values**

N O N E

**Personal protective equipment****Respiratory protection**

Short term: filter apparatus, Filter A; In case of insufficient ventilation or long-term effect use breathing apparatus.

**Hand protection**

Protective gloves (EN 374)

**Eye protection**

Tightly fitting safety glasses (EN 166)

**General protective and hygiene measures**

Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin. Keep away from foodstuffs and beverages. Keep separated from food-stuffs and feed-stocks.

**9.) Physical and chemical properties****General information**

Form	liquid
Colour	colourless
Odour	alkohol-like

**Important health, safety and environmental information****Changes in physical state**

Type	Boiling point	
Value	184,7	°C
Method	DIN 53171	
Type	Melting point	
Value	-75	°C

**Flash point**

Value	76	°C
Method	DIN 51758	

**Ignition temperature**

Value	270	°C
Method	DIN 51794	

**Explosion limits**

Upper explosion limit	7,4	% vol
Lower explosion limit	1,1	% vol

**Vapour pressure**

Value	0,4	hPa
Reference temperature	20	°C

**Density**

Value	0,8328	g/cm <sup>3</sup>
Reference temperature	20	°C

**Viscosity**

Type	dynamic	
Value	8,8	mPa*s

**Solubility in water**

Value	1	g/l
Reference temperature	20	°C



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**10.) Stability and reactivity****Conditions to avoid**

Reactions with strong acids. Reactions with strong oxidizing agents.

**Hazardous decomposition products**

No hazardous decomposition products known.

**Thermal decomposition**

Remarks No decomposition if used as prescribed.

**11.) Toxicological information****Acute toxicity****Acute oral toxicity**

	2500	mg/kg
Species	mouse	

**Acute dermal toxicity**

	1970	mg/kg
Species	rabbit	

**Irritant/corrosive effects****Irritant effect on skin**

Evaluation irritant

**Irritant effect on eyes**

Evaluation irritant

**Sensitisation**

Evaluation non-sensitizing

**Experience in practice**

Irritates the mucous membrane.

**12.) Ecological information****Data on elimination ( persistence and degradability)****Biodegradability**

Evaluation readily degradable

**Ecotoxic effects****Fish toxicity**

LC50	23	mg/l
Species	Leuciscus idus	
Duration of exposure	48	h

**General information / ecology**Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.  
Ecological data are not available.**13.) Disposal considerations****Product**

Dispose of as hazardous waste.

**Packaging**

Packaging that cannot be cleaned should be disposed off as product waste.

**14.) Transport information****Other information (chapter 14.)**

No hazardous material as defined by the transport regulations.

**15.) Regulatory information****Labelling in accordance with EC directives**

The product is classified and labelled in accordance with EC directives/GefStoff V (German regulations on dangerous substances).

**Hazard symbols**

Xi Irritant

**Hazardous component(s) to be indicated on label, contains:**

2-ethylhexan-1-ol

**R phrases**

36/37/38 Irritating to eyes, respiratory system and skin.



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**S phrases**

23.3

Do not breathe vapour.

28.2

After contact with skin, wash immediately with plenty of water and soap.

**16.) Other information**

**Further information**

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The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation.