

ISODECYL ALCOHOL (MIXED ISOMERS)**0495**

October 1999

CAS No: 25339-17-7
RTECS No: NR0960000Isodecanol (mixed isomers)
C₁₀H₂₁OH
Molecular mass: 158.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, carbon dioxide, foam (Note: Water may be ineffective).
EXPLOSION			
EXPOSURE			
Inhalation	Cough. Dizziness. Dullness. Headache. Nausea. Sore throat.	Ventilation.	Fresh air, rest. Refer for medical attention.
Skin	Dry skin. Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.
Eyes	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Diarrhoea. Vomiting. (Further see Inhalation).	Do not eat, drink, or smoke during work.	Rinse mouth. Rest. Refer for medical attention.

SPILLAGE DISPOSAL

Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in sand or inert absorbent and remove to safe place.

PACKAGING & LABELLING**EMERGENCY RESPONSE**

NFPA Code: H 0; F 1; R 0

SAFE STORAGE

Separated from strong oxidants.

IPCSInternational
Programme on
Chemical SafetyPrepared in the context of cooperation between the International
Programme on Chemical Safety and the European Commission ©
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IMPORTANT DATA

Physical State; Appearance

SLIGHTLY VISCOUS LIQUID, WITH CHARACTERISTIC ODOUR.

Chemical dangers

Reacts with strong oxidants.

Occupational exposure limits

TLV not established.

MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation and through the skin and by ingestion.

Inhalation risk

No indication can be given about the rate in which a harmful concentration in the air is 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. Exposure could cause central nervous system depression.

Effects of long-term or repeated exposure

The liquid defats the skin.

PHYSICAL PROPERTIES

Boiling point: 220/C

Melting point: 7/C

Relative density (water = 1): 0.84

Solubility in water, g/100 ml: 2.5

Vapour pressure, kPa at 70/C: 0.13

Relative vapour density (air = 1): 5.5

Relative density of the vapour/air-mixture at 20/C (air = 1): 1.00

Flash point: 104/C o.c.

Auto-ignition temperature: 266/C

Explosive limits, vol% in air: 0.8-4.5

ENVIRONMENTAL DATA

This substance may be hazardous to the environment; special attention should be given to fish.

NOTES

Card has been partially updated in July 2007: see Occupational Exposure Limits, Fire fighting.

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