

ETHYL n-BUTYL KETONE

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CAS No: 106-35-4
 RTECS No: MJ5250000
 UN No: 1224
 EC No: 606-003-00-9

3-Heptanone
 Butyl ethyl ketone
 $C_7H_{14}O$ / $CH_3(CH_2)_3COCH_2CH_3$
 Molecular mass: 114.21

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Flammable.	NO open flames, NO sparks, and NO smoking.	Powder, AFFF, foam, carbon dioxide.
EXPLOSION	Above 46°C explosive vapour/air mixtures may be formed.	Above 46°C use a closed system, ventilation, and explosion-proof electrical equipment.	In case of fire: keep drums, etc., cool by spraying with water.

EXPOSURE			
Inhalation	Cough. Dizziness. Headache. Sore throat. Unconsciousness.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin	Dry skin. Redness.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
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		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Rest. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Ventilation. Collect leaking and spilled liquid in sealable metal containers as far as possible. Absorb remaining liquid in dry sand or inert absorbent and remove to safe place. Do NOT wash away into sewer. (Extra personal protection: filter A for organic vapours).	Xn Symbol R: 10-20-36 S: (2-)24 UN Hazard Class: 3

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-30G35 NFPA Code: H1; F2; R0	Fireproof.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS LIQUID, WITH CHARACTERISTIC ODOUR.

Occupational exposure limitsTLV: 50 ppm; 234 mg/m³ (ACGIH 1995-1996).**Routes of exposure**

The substance can be absorbed into the body by inhalation of its vapour.

Inhalation risk

A harmful contamination of the air can be reached rather quickly on evaporation of this substance at 20°C.

Effects of short-term exposure

The substance irritates the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system. Exposure could cause lowering of consciousness.

Effects of long-term or repeated exposure

Repeated or prolonged contact with skin may cause dermatitis.

PHYSICAL PROPERTIES

Boiling point: 147°C
Melting point: -39°C
Relative density (water = 1): 0.8
Solubility in water: poor

Vapour pressure, Pa at 25°C: 187
Relative vapour density (air = 1): 3.9
Relative density of the vapour/air-mixture at 20°C (air = 1): 1.01
Flash point: 46°C o.c.

ENVIRONMENTAL DATA

NOTES

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