

**CAS No: 25265-77-4**  
 RTECS No: UF6000000

2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate  
 Propionic acid, 2-methyl-, monoester with  
 2,2,4-trimethyl-1,3-pentanediol  
 Isobutyric acid ester with 2,2,4-trimethyl-1,3-pentanediol  
 $C_{12}H_{24}O_3$   
 Molecular mass: 216.4

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

EXPOSURE			
<b>Inhalation</b>			
<b>Skin</b>	Redness.	Protective gloves.	Rinse and then wash skin with water and soap.
<b>Eyes</b>	Redness.	Safety spectacles.	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.	

SPILLAGE DISPOSAL	PACKAGING & LABELLING
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.	

EMERGENCY RESPONSE	STORAGE

**IMPORTANT DATA****Physical State; Appearance**

LIQUID.

**Occupational exposure limits**

TLV not established.

**Routes of exposure**

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

**Inhalation risk**

Evaporation at 20°C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly on spraying.

**Effects of short-term exposure**

The substance is irritating to the eyes and the skin.

**PHYSICAL PROPERTIES**

Boiling point: 255-260°C  
Melting point: -50°C  
Relative density (water = 1): 0.95  
Solubility in water, g/100 ml: 2  
Vapour pressure, Pa at 20°C: 1.3  
Relative vapour density (air = 1): 7.5

Relative density of the vapour/air-mixture at 20°C (air = 1): 1.00  
Flash point: 120°C o.c.  
Auto-ignition temperature: 393°C  
Explosive limits, vol% in air: 0.6-4.2  
Octanol/water partition coefficient as log Pow: 3.47

**ENVIRONMENTAL DATA**

The substance is harmful to aquatic organisms.

**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