

PHENYLACETIC ACID

1260
April 2006

CAS No: 103-82-2
RTECS No: AJ2430000

Benzeneacetic acid
Acetic acid, phenyl-
Phenylethanoic acid
2-Phenylacetic acid
 $C_8H_8O_2$ / $C_6H_5CH_2CO_2H$
Molecular mass: 136.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, water spray, foam, carbon dioxide.
EXPLOSION			
EXPOSURE			
Inhalation	Cough. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest.
Skin	Redness.	Protective gloves.	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.	Rinse mouth. Give one or two glasses of water to drink.

SPILLAGE DISPOSAL

Personal protection: A/P2 filter respirator for organic vapour and harmful dust. Do NOT let this chemical enter the environment. Sweep spilled substance into containers.

PACKAGING & LABELLING

GHS classification
Signal: Warning
Causes mild skin irritation
Causes eye irritation
Harmful to aquatic life

EMERGENCY RESPONSE

SAFE STORAGE

Separated from strong oxidants, strong bases and strong reducing agents. Store in an area without drain or sewer access.

IMPORTANT DATA**Physical State; Appearance**

WHITE TO YELLOW CRYSTALS OR FLAKES, WITH PUNGENT ODOUR.

Chemical dangers

The substance decomposes on burning producing irritating fumes. The solution in water is a weak acid. Reacts with strong bases, strong oxidants and strong reducing agents.

Occupational exposure limits

TLV not established.
MAK not established.

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 is mildly irritating to the skin and is irritating to the eyes.

PHYSICAL PROPERTIES

Boiling point: 265.5/C
Melting point: 76.5/C
Density (at 77/C): 1.09 g/cm³
Solubility in water, g/100 ml at 20/C: 0.16

Vapour pressure, Pa at 20/C: negligible
Flash point: 132/C c.c.
Auto-ignition temperature: 543/C
Octanol/water partition coefficient as log Pow: 1.41

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