

Common Name: **AMYL ALCOHOL**

Synonyms: 1-Pentanol; Pentyl Alcohol

CAS No: 71-41-0

 Molecular Formula: $\text{CH}_3(\text{CH}_2)_3\text{CH}_2\text{OH}$

RTK Substance No: 0124

Description: Clear liquid with a mild alcohol odor

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
1 - Health 3 - Fire 0 - Reactivity DOT#: UN 1105 ERG Guide #: 129 Hazard Class: 3 (Flammable)	FLAMMABLE LIQUID Use dry chemical, CO ₂ or alcohol-resistant foam as extinguishing agents. Water may not be effective in fighting fires. POISONOUS GASES ARE PRODUCED IN FIRE. CONTAINERS MAY EXPLODE IN FIRE. Use water spray to keep fire-exposed containers cool. Vapors may travel to a source of ignition and flash back. Vapor is heavier than air and may travel a distance to cause a fire or explosion far from the source.	Amyl Alcohol reacts violently with HYDROGEN TRISULFIDE and OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE). Amyl Alcohol attacks ALKALINE and EARTH ALKALINE METALS (such as BERYLLIUM, MAGNESIUM and CALCIUM) to form flammable and explosive <i>Hydrogen gas</i> . Amyl Alcohol is not compatible with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); ALIPHATIC AMINES; ISOCYANATES; and ACETALDEHYDE.

SPILL/LEAKS
Isolation Distance:

Small Spills - 60 meters (200 feet)

Large Spills - 330 meters (1,100 feet)

Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.

PHYSICAL PROPERTIES

Odor Threshold:	0.12 to 10 ppm
Flash Point:	91°F (33°C)
LEL:	1.2%
UEL:	10.5%
Relative Density:	0.18 (water = 1)
Vapor Density:	3 (air = 1)
Vapor Pressure:	2 mm Hg at 77°F (25°C)
Water Solubility:	Slightly soluble
Boiling Point:	280°F (138°C)
Melting Point:	-110°F (-79°C)
Molecular Weight:	88.2

EXPOSURE LIMITS

No occupational exposure limits have been established.

PROTECTIVE EQUIPMENT

Gloves:	Viton, Butyl, Nitrile and Neoprene (>8-hr breakthrough)
Coveralls:	DuPont Tychem®, CPF-2, SL, CPF-4, Responders® and TK for <i>Aliphatic Hydroxylic compounds</i> (>8-hr breakthrough)
Boots:	Neoprene and Butyl
Respirator:	Supplied air

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation
Acute:	Irritation of the nose, throat and lungs with coughing, wheezing, and shortness of breath Headache, dizziness, confusion and passing out
Chronic:	No information

FIRST AID AND DECONTAMINATION

Remove	the person from exposure.
Flush	eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
Remove	contaminated clothing and wash contaminated skin with soap and water.
Begin	artificial respiration if breathing has stopped and CPR if necessary.
Transfer	to a medical facility.