AMMONIUM HYDROGEN CARBONATE

1333

November 1998

CAS No: 1066-33-7
RTECS No: BO8600000
UN No:
EC No:

Ammonium bicarbonate
Acid ammonium carbonate
Carbonic acid, monoammonium salt
CH_5NO_3 / NH_4HCO_3
Molecular mass: 79.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION			
EXPOSURE			
Inhalation	Cough. Sore throat.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest.
Skin		Protective gloves.	Rinse skin with plenty of water or shower.
Eyes	Redness. Pain.	Safety spectacles.	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.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Wash away remainder with plenty of water. (Extra personal protection: combined filter for particles and ammonia).	Symbol R: S:

EMERGENCY RESPONSE	STORAGE
	Separated from strong oxidants, strong bases, acids. Cool.

IPCS
International Programme on Chemical Safety

Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission

SEE IMPORTANT INFORMATION ON THE BACK.

IMPORTANT DATA

Physical State; Appearance
COLOURLESS OR WHITE CRYSTALS, WITH CHARACTERISTIC ODOUR.

Chemical Dangers
The substance decomposes on warming above 35°C producing ammonia fumes. Reacts violently with acids. Reacts with strong bases and strong oxidants.

Occupational Exposure Limits
TLV not established. MAK not established.

Routes of Exposure
The substance can be absorbed into the body by inhalation of its aerosol.

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 and the respiratory tract.

PHYSICAL PROPERTIES

Melting point (decomposes): 35-60°C
Density: 1.58 g/cm^3

Solubility in water, g/100 ml at 20°C: 17.4, good

ENVIRONMENTAL DATA

NOTES

ADDITIONAL INFORMATION