

UREA AMMONIUM NITRATE**1590**

October 2005

CAS No: 15978-77-5Nitric acid ammonium salt, mixture with urea
 $\text{H}_2\text{ONH}_3\text{HNO}_3\text{CO}(\text{NH}_2)_2$

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Gives off irritating or toxic fumes (or gases) in a fire.		In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION			
EXPOSURE			
Inhalation	Cough. Sore throat.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest.
Skin	Redness. Pain.	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	Blue lips or fingernails. Blue skin. Diarrhoea. Nausea. Vomiting. Dizziness. Headache.	Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL

Wash away spilled liquid with plenty of water.

PACKAGING & LABELLING**EMERGENCY RESPONSE****SAFE STORAGE**

Separated from combustible and reducing substances.

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Programme on
Chemical SafetyPrepared in the context of cooperation between the International
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IMPORTANT DATA**Physical State; Appearance**

COLOURLESS LIQUID, WITH CHARACTERISTIC ODOUR.

Chemical dangers

The substance decomposes on heating producing toxic gases including nitrogen oxides. Attacks copper and its alloys. The substance is a strong oxidizer when dry and can increase the risk of fire or ignite combustible substances.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

The substance can be absorbed into the body by ingestion..

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 is irritating to the eyes, the skin and the respiratory tract. When ingested the substance may cause effects on the blood, resulting in the formation of methaemoglobin. The effects may be delayed. Medical observation is indicated.

PHYSICAL PROPERTIES

Boiling point: 107/C
Relative density (water = 1): 1.3

Solubility in water: miscible

ENVIRONMENTAL DATA**NOTES**

Depending on the degree of exposure, periodic medical examination is suggested.
Specific treatment is necessary in case of poisoning with this substance; the appropriate means with instructions must be available.

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