

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

645

AMMONIUM CHLORIDE

CHEMICAL NAME & SYNONYMS

Ammonium Chloride; Sal Ammoniac

DOT CLASS

NR

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

NH₄Cl

REPORTABLE QUANTITY

N/A

F.W.

53.49

CAS#

12125-02-9

PHYSICAL DATA

Density 1.53; Melting point 340°C (Sublimes); Water soluble; pH (5% solution) 5.

APPEARANCE & ODOR

White crystals. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Reacts with caustics to release ammonia gas. Stable to > 300°C. Reacts with nitrates to liberate Chlorine gas.

FIRE HAZARDS

Will volatilize in general fire emitting toxic fumes. Firefighters wear SCBA. NFPA # 1-0-0.

EXTINGUISHER

Fight surrounding fire

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

May irritate skin, irritating to respiratory tract and eyes. Oral toxicity: LD₅₀ (oral-rat) 1650 mg/kg. LD₅₀ (ipr-mouse) 1439 mg/kg. More toxic if injected. OSHA PEL not established. ACGIH TLV: TWA 10 mg/m³; STEL 20 mg/m³ (fume). No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Use eye protection while handling.

FIRST AID

Wash affected area well with water. If eye irritation persists, get medical attention. If swallowed, give water or milk and induce vomiting. Call a physician.

SPILLS & LEAKS

Wash up with water. Discard to sewer or leach bed.

CATALOG #

645

PREPARED BY

MDM

DATE

August 30, 2002