

GFS CHEMICALS, INC.
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MATERIAL SAFETY DATA SHEET

1139

AMMONIUM META-VANADATE

CHEMICAL NAME & SYNONYMS

Ammonium meta-Vanadate

DOT CLASS

6.1/II

SARA TITLE 313

No

TSCA listed - Yes

FORMULA

NH₄VO₃

REPORTABLE QUANTITY

454 kg

F.W.

116.98

CAS#

7803-55-6

PHYSICAL DATA

Density 2.33; Melting point 200°C (with decomposition); Slightly soluble in cold water.

APPEARANCE & ODOR

White to pale yellow crystals. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable to 200°C. No hazardous self-reactivity. Incompatible with reducing agents, chlorate salts and sodium nitrite.

FIRE HAZARDS

Exposure to heat from fire may cause liberation of fumes of ammonia, oxides of nitrogen and vanadium. Use water to cool containers and knock down fumes. Firefighters wear SCBA. NFPA # 3-0-1.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Breathing of dust may lead to pulmonary irritation. Harmful if swallowed or inhaled. LD₅₀ oral (rat) 160 mg/kg; LC₅₀ (inhal-rat) 58 mg/kg. Experimental reproductive effects. Experimental teratogen, mutagen. ACGIH TLV: TWA 0.05 mg (V₂O₅)/m³. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS

Wear goggles and rubber gloves while handling. Use only with adequate ventilation or suitable respirator.

FIRST AID

Wash contact area thoroughly with water. If eye irritation persists, see a physician. If swallowed, give water to drink and get immediate medical attention. Do not induce vomiting unless directed by a physician.

SPILLS & LEAKS

Contain spill. Sweep with absorbent avoiding formation of dust. Disposal to hazardous waste.

CATALOG #

1139

PREPARED BY

MDM

DATE

April 29, 2005