GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

1444

LITHIUM VANADATE

CHEMICAL NAME & SYNONYMS

Lithium Vanadate; Lithium Metavanatate

DOT CLASS

SARA TITLE 313

6.1/II

No TSCA listed - Yes

FORMULA LiVO₃

REPORTABLE QUANTITY N/A

F.W. 105.88

CAS# 15060-59-0

PHYSICAL DATA

Water soluble.

APPEARANCE & ODOR

White granules and powder. Odorless.

REACTIVITY & CONDITIONS TO AVOID

Stable, no hazardous self-reactivity.

FIRE HAZARDS

May decompose in a general fire releasing toxic fumes. Firefighters wear SCBA. NFPA # 3-0-0.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT N/A

LEL UEL

N/AN/A

HEALTH HAZARDS

May be irritating to eyes and mucous membranes. Consider toxic or poisonous by all routes. LD/TD no data found. OSHA PEL ceiling: 0.1 mg $(V_2O_5)/m^3$ (fume); 0.5 mg $(V_2O_5)/m^3$ (respirable fraction); ACGIH TLV TWA: 0.05 mg $(V_2O_5)/m^3$. Vanadium compounds have been cited with reproductive effects, mutagenicity, and teratogenicity. No evidence of carcinogenicity. Lithium compounds have CNS and mental effects.

SPECIAL PRECAUTIONS

Wear goggles and rubber gloves while handling. Use adequate ventilation or suitable respirator to prevent inhalation.

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. Wash up with water and dispose to suitable hazardous waste. Check local regulations for disposal.

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