GFS CHEMICALS, INC.
P.O. Box 245 Powell, OH 43065
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1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

3676

AMMONIUM TETRATHIOTUNGSTATE

CHEMICAL NAME & SYNONYMS	DOT CLASS	SARA TITLE 313
Ammonium Tetrathiotungstate	9/III	No
	TSCA listed - No	

FORMULA	REPORTABLE QUANTITY	F.W.	CAS#
$(NH_4)_2WS_4$	N/A	348.18	13862-78-7

PHYSICAL DATA
Insoluble in water. Specific gravity 2.71.

APPEARANCE & ODOR
Dark, orange crystalline powder.

REACTIVITY & CONDITIONS TO AVOID
Stable. Avoid raising dust. Incompatible with strong acids and oxidizing agents. Avoid heat.

FIRE HAZARDS
Toxic fume of ammonia, nitrogen oxides or sulfur oxides emitted during fire. Firefighters wear SCBA. NFPA # 1-0-1.

EXTINGUISHER	FLASHPOINT	LEL	UEL
Water spray, carbon dioxide or dry chemical.	N/A	N/A	N/A

HEALTH HAZARDS
The chemical, physical and toxicological properties have not been fully investigated. Irritating to mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion or absorption. Exposure can cause digestive tract disturbances and diarrhea. OSHA PEL/ACGIH TLV not established. LD/TD no data. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS
Wear goggles, rubber gloves and clothing while handling. Use good ventilation or suitable respirator if dust is raised. This product is supplied SOLELY for use in RESEARCH AND DEVELOPMENT by or under the supervision of a TECHNICALLY QUALIFIED INDIVIDUAL, Who should be FULLY COGNIZANT of the procedures for working with chemical products of this type as described at 40 CFR 720.36.

FIRST AID
Wash skin with plenty of soap and water. Flush eyes thoroughly with water. If swallowed, rinse out mouth with water. Get medical attention. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Use CPR if needed.

SPILLS & LEAKS
Sweep up, minimizing dust formation. Place in a suitable container and hold for recovery or suitable hazardous waste disposal.

CATALOG #	PREPARED BY	DATE
3676	MDM	July 7, 2005