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

2255

SULFURIC ACID SOLUTION, 0.25 N

CHEMICAL NAME & SYNONYMS	DOT CLASS	SARA TITLE 313
Sulfuric Acid, Solution 0.25 N	8/II	No
	TSCA listed - Yes	

FORMULA		REPORTABLE QUANTITY	F.W.	CAS#
H_2SO_4	1.3%	454 kg	98.09	7664-93-9
H_2O	> 98%	N/A	18.02	7732-18-5

PHYSICAL DATA
Specific gravity 1.01; Boiling point >100°C; Completely miscible with water; pH about 0.6.

APPEARANCE & ODOR
Clear, colorless liquid. Odorless. Styptic taste.

REACTIVITY & CONDITIONS TO AVOID
Stable. Corrosive.

FIRE HAZARDS
May decompose in a general fire emitting acid fumes or oxides of sulfur. Firefighters wear SCBA. NFPA # 2-0-1.

EXTINGUISHER	FLASHPOINT	LEL	UEL
Fight surrounding fire.	N/A	N/A	N/A

HEALTH HAZARDS
Irritating to eyes and mucous membranes. Harmful by ingestion. LD_{50}(oral-rat) 2140 mg (H_2SO_4)/kg. OSHA PEL: TWA 1 mg (H_2SO_4)/m^3; ACGIH TLV: TWA 0.2 mg (H_2SO_4)/m^3. No evidence of carcinogenicity for sulfuric acid or solutions, but strong inorganic mists containing sulfuric acid are now considered to be carcinogenic so avoid conditions which may cause the solution to become a vapor or mist.

SPECIAL PRECAUTIONS
Wear goggles and rubber gloves while handling. If vapor or mists are being formed, use good local ventilation or suitable respirator.

FIRST AID
Wash affected area thoroughly with water. If eye irritation persists, get medical attention. Internally-give water to drink or milk of magnesia, if available, and get medical attention.

SPILLS & LEAKS
Neutralize spill with soda ash and wash to sanitary drain. Check local regulations.

CATALOG #	PREPARED BY	DATE
2255	MDM	November 22, 2005