GFS CHEMICALS, INC.
P.O. Box 245 Powell, OH 43065
740-881-5501(Tel.) 740-881-5989(Fax)
1-800-424-9300(Chemtrec 24Hr. Info.)

MATERIAL SAFETY DATA SHEET

1138

AMMONIUM THIOCYANATE, SOLUTION

CHEMICAL NAME & SYNONYMS	DOT CLASS	SARA TITLE 313
Ammonium Thiocyanate Solution, 0.1 N	NR	No
	TSCA listed - Yes	

FORMULA		REPORTABLE QUANTITY	F.W.	CAS#
NH_4SCN	< 1%	2270 kg	76.12	1762-95-4
H_2O	>99%	N/A	18.02	7732-18-5

PHYSICAL DATA
Boiling point 100°C; Density 1.00; Completely miscible with water.

APPEARANCE & ODOR
Clear liquid. May have slight odor.

REACTIVITY & CONDITIONS TO AVOID
Stable at normal storage conditions. Decomposes with heat. Incompatible with $KClO_3$ and $Pb(NO_3)_2$.

FIRE HAZARDS
Will decompose in general fire. Emits highly toxic fumes including cyanide. Firefighters wear SCBA.

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

HEALTH HAZARDS
May be irritating to skin, eyes and mucous membranes. Harmful or fatal if swallowed or inhaled. Causes hallucinations, nausea or other GI distress. TD_{Lo} (oral-human) 430 mg (100% basis)/kg GIT, CNS. LD_{50} (oral-rat) 750 mg (100% basis)/kg. OSHA PEL/ACGIH TLV not established. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS
Use good general ventilation. Rubber gloves and goggles recommended.

FIRST AID
Wash contact area thoroughly with water. If eye irritation persists, get medical attention. If swallowed, give water or milk to drink and get medical attention.

SPILLS & LEAKS
Wash up with water. Disposal of small quantities to sanitary sewer with plenty of water. Larger amounts to hazardous waste. Check local regulations.

CATALOG #	PREPARED BY	DATE
1138	MDM	January 17, 2006