GFS CHEMICALS, INC.
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MATERIAL SAFETY DATA SHEET

5063

CHLOROPLATINIC ACID, HYDRATE

CHEMICAL NAME & SYNONYMS	DOT CLASS	SARA TITLE 313
Chloroplatinic Acid, Hydrate; Platinic Chloride; Hexachloroplatinic Acid	8/III	No
	TSCA listed - Yes	

FORMULA	REPORTABLE QUANTITY	F.W.	CAS#
$H_2PtCl_6 \cdot XH_2O$	N/A		26023-84-7 (hyd)
(Typically 40% Pt)		409.82	16941-12-1 (anh)

PHYSICAL DATA
Density 2.43; Melting point 60°C; Deliquescent, readily dissolves in absorbed moisture.

APPEARANCE & ODOR
Brownish or yellow crystals. Odorless or may have slight odor of HCl.

REACTIVITY & CONDITIONS TO AVOID
Stable. No hazardous self-reaction. Light sensitive, protect from light. Protect from moisture and heat.

FIRE HAZARDS
Not considered to be a fire hazard. Reacts many metals to release flammable hydrogen gas. In a general fire, HCl or Cl_2 may be released. Firefighters wear SCBA and full protective gear. NFPA # 3-0-2.

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

HEALTH HAZARDS
Irritating to skin and eyes. Harmful if swallowed or inhaled. OSHA PEL/ACGIH TLV TWA: 0.002 mg(Pt)/m^3; Investigated as a mutagen. Chronic exposures may lead to sensitivity. Experimental reproductive effects. No evidence of carcinogenicity.

SPECIAL PRECAUTIONS
Wear goggles and rubber gloves while handling. Use good ventilation or suitable respirator if dust is raised. Store in well sealed bottle protected from moisture and light.

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

SPILLS & LEAKS
Take up spill in water and save for reclamation of platinum. Disposal to hazardous waste.

CATALOG #	PREPARED BY	DATE
5063	MDM	March 2, 2006