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Product Specification

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PRODUCT CODE	37732
PRODUCT NAME	HEXA CHLOROPLATINIC IV ACID HYDRATE (abt. 40% Pt)
SYNONYMS	(Hydrogen hexachloroplatinate (IV) hydrate) (Chloroplatinic acid abt. 40% Pt)
C.I. NO.	--
CASR NO.	(1694-12-1)
ATOMIC OR MOLECULAR FORMULA	H ₂ PtCl ₆ .XH ₂ O
ATOMIC OR MOLECULAR WEIGHT	--
PROPERTIES	--

H₂PtCl₆.XH₂O

PARAMETER	LIMIT
Description	Orange/brownish orange powder.
Solubility	Very soluble in water.
Assay (Gravimetric)	About 40.0% Pt.
MAXIMUM LIMIT OF IMPURITIES	
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Note(s) :1] Assay (if applicable) method mentioned.

2] Storage 0 – 8°C

DANGER Hazard statements : Toxic if swallowed. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic to aquatic life. Precautionary statements Prevention: Keep only in original container. Do not breathe dust/fume/gas/mist/vapours /spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.	IMDG Code : 8/III UN No. : 2507 IATA : 8
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Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

Disposal: Dissolve the chemical in dilute hydrochloric acid and then pass H₂S (if required after adjusting pH) in a fume cupboard to precipitate metal sulphides. After filtration and washing, the product is to be given to the disposal company / suppliers. Alternatively metal may be precipitated from acid solution by neutralizing with ammonium hydroxide, followed by precipitation as hydroxide, carbonate or sulphate by adding a suitable precipitating reagent.

Hazard Pictogram(s) :



Acute toxicity



Aspiration hazard



Corrosive to metals

Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 01.04.2010	Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 01.04.2010	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 02.04.2010	Issue Date : 01/07/2002 Revision No.: 02 Revision dt. : 02.04.2010 AMEND NO. : 1554
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