



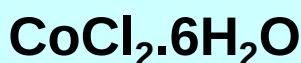
SDFCL
s d fine-chem limited



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\ID\PSI\20082XPS.xls
PRODUCT CODE	20082
PRODUCT NAME	COBALTOUS CHLORIDE HEXAHYDRATE AR, ACS
SYNONYMS	[Cobalt (II) chloride hexahydrate]
C.I. NO.	--
CASR NO.	(7791-13-1)
ATOMIC OR MOLECULAR FORMULA	CoCl ₂ .6H ₂ O
ATOMIC OR MOLECULAR WEIGHT	237.93
PROPERTIES	Soluble in water, alcohol and acetone. Melting point -86°C.



PARAMETER	LIMIT
Description	Ruby red coloured crystals/crystalline powder.
Solubility	10% solution in water is bright and clear.
Assay (Complexometric)	99.0 to 102.0%
Water Content (by KF)	44.5 to 47.0%

MAXIMUM LIMIT OF IMPURITIES

Insoluble matter	0.01%
Nitrate (NO ₃)	0.01%
Sulphate (SO ₄)	0.005%
Calcium (Ca)	0.005%
Copper (Cu)	0.0005%
Iron (Fe)	0.001%
Lead (Pb)	0.005%
Magnesium (Mg)	0.002%
Manganese (Mn)	0.003%
Nickel (Ni)	0.01%
Potassium (K)	0.005%
Sodium (Na)	0.01%
Zinc (Zn)	0.002%

Note(s) :1] Assay (if applicable) method mentioned.

2] Recommended reagent for zinc

3)

Storage Temp : "Store below 30°C ".

HAZARD

May be corrosive to metals. Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. continued... May cause cancer. May damage fertility or the unborn child Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention: Do not handle until all safety precautions have been read and understood. Keep only in original container. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash ... thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective

DANGER

IMDG Code : 8 /II
UN No. : 3260
IATA : 8

clothing/eye protection/face protection. Use personal protective equipment as required.

In case of inadequate ventilation wear respiratory protection.

Response: IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF INHALED: If breathing is difficult, remove victim 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. IF exposed or concerned: Get medical advice/attention. Immediately call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell. 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. Collect Spillage.

Disposal: The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



Corrosive to metals



Aquatic environment



Skin irritation



Aspiration hazard

Prepared By :

Name/Dept. : Officer (Q.A.)

Sign. :

Date : 12.03.2015.

Checked By:

Name/Dept.:Incharge(Q.A.)

Sign. :

Date : 12.03.2015.

Approved By:

Name/Dept. : Incharge (Tech.)

Sign. :

Date : 23.03.2015.

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