

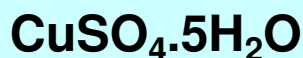


SDFCL
s d fine-CHEM LIMITED
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\PS\20091XPS.xls
PRODUCT CODE	20091
PRODUCT NAME	CUPRIC SULPHATE PENTAHYDRATE AR ACS, ISO Meets Analytical Specification of BP, USP, Ph. Eur.
SYNONYMS	[Copper (II) sulphate pentahydrate]
C.I. NO.	--
CASR NO.	(7758-99-8)
ATOMIC OR MOLECULAR FORMULA	CuSO ₄ .5H ₂ O
ATOMIC OR MOLECULAR WEIGHT	249.68
PROPERTIES	Slowly efflorescing in air ,white when dehydrated, soluble in water,methanol. Slightly soluble in alcohol and glycerol.



PARAMETER	LIMIT
Description	Transparent blue crystals or blue crystalline powder.
Solubility	10% solution in water is bright blue and clear.
Identification	Passes test.
Minimum Assay (Iodometric)	99.5%
Loss on drying (at 250 °C)	35 – 36.5%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.003%
Chloride (Cl)	0.0005%
Nitrogen compounds (N)	0.002%
Arsenic (As)	0.0005%
Calcium (Ca)	0.005%
Iron (Fe)	0.003%
Lead (Pb)	0.005%
Magnesium (Mg)	0.005%
Nickel (Ni)	0.005%
Potassium (K)	0.001%
Sodium (Na)	0.005%
Zinc (Zn)	0.01%
Organic volatile impurities	Meets the requirement.

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

DANGER

Hazard statements: Toxic if swallowed. Very toxic to aquatic life.

Precautionary statements

Prevention: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS.

Disposal: Dispose of contents and container in accordance with relevant legislation.

IMDG Code : 9/III
UN No. : 3077
IATA : 9

Hazard Pictogram(s) :



Acute toxicity



Aquatic environment

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 03
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. : 1554

