



SDFCL
s d fine-CHEM limited



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\PS\20217XPS.xls
PRODUCT CODE	20217
PRODUCT NAME	POTASSIUM PERMANGANATE AR, ACS Meets Analytical Specification of USP
SYNONYMS	--
C.I. NO.	--
CASR NO.	(7722-64-7)
ATOMIC OR MOLECULAR FORMULA	KMnO ₄
ATOMIC OR MOLECULAR WEIGHT	158.03
PROPERTIES	Decomposes ~240 °C with evolution of oxygen; Decomposes by alcohol and many other organic solvents, also by concentrated acids.

KMnO₄

PARAMETER	LIMIT
Description	Dark purple or brownish black to almost black crystals with metallic lustre .
Solubility	5% solution in water is clear.
Identification	Passes test.
Assay (Iodometric)	99.5 – 100.5%
Loss on drying (on silica gel)	Max. 0.5%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.2%
Chloride (Cl)	0.005%
Nitrogen compounds (N)	0.005%
Sulphate (SO ₄)	0.01%
Iron (Fe)	0.002%
Lead (Pb)	0.002%

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

DANGER

Hazard statements : May cause respiratory irritation. May intensify fire; oxidizer. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take any precaution to avoid mixing with combustible or incompatible materials. Keep away from heat.

Response : If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. Specific treatment: refer to Label or MSDS.

IMDG Code : 5.1/II

UN No. : 1490

IATA : 5.1

Disposal: The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company. Add bromine / iodine / inorganic peroxide / oxidants to be disposed to large amount of water and then make harmless by addition of acidic sodium thiosulphate solution .

Hazard Pictogram(s) :



Skin irritation



Oxidising



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
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