



SDFCL
s d fine-chem limited
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\PS\20378XPS.xls
PRODUCT CODE	20378
PRODUCT NAME	POTASSIUM NITRITE CRYSTALS AR, ACS
SYNONYMS	--
C.I. NO.	--
CASR NO.	(7758-09-0)
ATOMIC OR MOLECULAR FORMULA	KNO ₂
ATOMIC OR MOLECULAR WEIGHT	85.10
PROPERTIES	Deliquescent. Insoluble in alcohol. Decomposition starts at 350 °C.



PARAMETER	LIMIT
Description	White to slightly yellow crystals.
Solubility	10% soln. in water is clear & bright.
pH (of 5% soln. in water)	7 - 10
Minimum Assay (Redox titration)	97.0%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.01%
Chloride (Cl)	0.03%
Sulphate (SO ₄)	0.005%
Calcium (Ca)	0.003%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Heavy Metals (Pb)	0.0005%
Magnesium (Mg)	0.002%
Sodium (Na)	0.5%

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

DANGER

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

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. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IMDG Code : 5.1/II
UN No. : 1488
IATA : 5.1

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :



Oxidising



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
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