



SDFCL
s d fine-chem limited

Quality Control Dept.



C Product Specification

E Control	QC2\DATAD\D:\PS\20201XPS.xls
PRODUCT CODE	20201
PRODUCT NAME	POTASSIUM CYANIDE AR
SYNONYMS	--
C.I. NO.	--
CASR NO.	(151-50-8)
ATOMIC OR MOLECULAR FORMULA	KCN
ATOMIC OR MOLECULAR WEIGHT	65.12
PROPERTIES	Violent poison. On exposure to air it is gradually decomposed by CO ₂ and moisture.



PARAMETER	LIMIT
Description	A white tablets.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Argentometric)	97.0%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble matter	0.05%
Chloride (Cl)	0.02%
Phosphate (PO ₄)	0.005%
Sulphate (SO ₄)	0.005%
Iron (Fe)	0.005%
Lead (Pb)	0.0002%
Sulphide (S)	0.0005%
Thiocyanate (SCN)	0.01%

Note(s) : 1] Assay (if applicable) method mentioned. 2]

Caution :- Destroy the container and plastic bag immediately after use / or when empty; with effective disposable method.

3] Poisonous :- Serious risk of poisoning by inhalation, swallowing or skin contact, eyes and particularly wounds. Contact with acids liberates toxic gas.

DANGER

Hazard statements : Fatal in contact with skin. Fatal if swallowed. Fatal if inhaled.

Causes mild skin irritation. Very toxic to aquatic life with long lasting effects. Harmful to life in the soil

Precautionary statements

Prevention : Wear protective gloves/clothing. Do not get in eyes, on skin or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Wear respiratory protection. Use only outdoors or in a well ventilated area. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response : Immediately call a POISON CENTER or doctor/physician. If skin irritation occurs, seek medical advice/attention. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Specific treatment: refer to Label or MSDS. Remove/Take off immediately all contaminated clothing. IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse

IMDG Code : 6.1/1
UN No. : 1680
IATA : 6.1

Disposal: The chemical waste should be collected by specialized disposal company. Disposal of small quantities of cyanide residues (and mercaptans) is done as follows. Dissolve the residues in water, ensuring that concentration of solution is not more than 5%. Add 10-15% sodium hypochlorite solution with stirring until excess hypochlorite is indicated by the solution turning starch iodide paper to a definite blue colour. Add a further small volume of hypochlorite solution and leave to stand aside for 24 hours. Recheck the excess of hypochlorite with starch-iodide paper and if the test is positive then wash the treated away solution with large amounts of water. If the test is negative then repeat the treatment with hypochlorite solution until detoxification is completed.

Hazard Pictogram(s) :





Acute toxicity



Aquatic environment

Prepared By :	Checked By:	Approved By:	Issue Date : 01.07.2002
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