



SDFCL
s d fine-CHEM LIMITED
Quality Control Dept.



Product Specification

E Control	QC2\DATAD\ID\PS\29107XPS.xls
PRODUCT CODE	29107
PRODUCT NAME	POTASSIUM HYDROXIDE AQUEOUS SOLUTION 47.0% AR
SYNONYMS	--
C.I. NO.	--
CASR NO.	[1310-58-3]
ATOMIC OR MOLECULAR FORMULA	KOH
ATOMIC OR MOLECULAR WEIGHT	56.11
PROPERTIES	Absorbs CO2 from the air .

KOH

PARAMETER	LIMIT
Description	A clear and colourless liquid .
Assay (Acidimetric)	46.0 - 48.0%
Wt. per ml (at 20 °C)	About 1.50 g
MAXIMUM LIMIT OF IMPURITIES	
Carbonate (as K ₂ CO ₃)	1.0%
Chloride (Cl)	0.001%
Total nitrogen (N)	0.0005%
Phosphate(PO ₄)	0.0005%
Sulphate (SO ₄)	0.002%
Aluminium (Al)	0.001%
Arsenic (As)	0.0001%
Calcium (Ca)	0.001%
Copper (Cu)	0.0005%
Iron (Fe)	0.0005%
Heavy metal (as Pb)	0.0005%
Magnesium (Mg)	0.001%
Nickel (Ni)	0.0010%

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

DANGER

Hazard statements : Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage.

Precautionary statements

Prevention : Keep only in original container. Do not breathe dust/fume/gas /mist/ vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response : IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove 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. Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

IMDG Code : 8/II

UN No. :1814

IATA :8

Disposal: The chemical is disposed off by its slow addition to an excess of water. The final concentration should not be greater than 2% .Neutralize with 5% hydrochloric acid and run to waste with large quantities of running water.

Hazard Pictogram(s) :



Corrosive to metals

Prepared By :	Checked By:	Approved By:	Issue Date : 04.03.2009
Name/Dept. : Officer (Q.A.)	Name/Dept.:Incharge(Q.A.)	Name/Dept. : Incharge (Tech.)	Revision No.: 01
Sign. :	Sign. :	Sign. :	Revision dt. : 02.04.2010
Date : 01.04.2010	Date : 01.04.2010	Date : 02.04.2010	AMEND NO. : 1554

