



SDFCL
s d fine-CHEM LIMITED

Quality Control Dept.



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Product Specification

E Control	QC2\DATAD\ID\PS\20298XPS.xls
PRODUCT CODE	20298
PRODUCT NAME	ZINC OXIDE AR Meets
	Analytical Specification of IP, BP, USP, Ph. Eur.
SYNONYMS	--
C.I. NO.	--
CASR NO.	(1314-13-2)
ATOMIC OR MOLECULAR FORMULA	ZnO
ATOMIC OR MOLECULAR WEIGHT	81.39
PROPERTIES	Absorbs carbon dioxide from the air. Noncombustible.

ZnO

PARAMETER	LIMIT
Description	A soft, white or faintly yellowish-white, amorphous powder, free from gritty particles .
Solubility:	Partially insoluble in water and in ethanol (96%). It dissolves in dil.mineral acids.
Identification	Passes test
Assay (Complexometric; Calc on the ignited basis.)	99.0 - 100.5%
Loss on Ignition (at 500 °C)	Max. 1.0%
Alkalinity	Passes test
MAXIMUM LIMIT OF IMPURITIES	
Subs.insoluble in dil. Sulphuric acid	0.05%
Carbonate and subs. insoluble in acids	Passes test.
Chloride (Cl)	0.002%
Sulphur compounds (SO ₄)	0.02%
Arsenic (As)	0.0005%
Cadmium (Cd)	0.001%
Iron (Fe)	0.001%
Iron (Fe) & other Heavy metals	Passes test
Lead (Pb)	0.005%
Manganese (Mn)	0.001%

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

WARNING

Hazard statements : May cause respiratory irritation. Causes mild skin irritation. Causes eye irritation. Very toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention: Wash hands thoroughly after handling.

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

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

Disposal: The quantities greater than 10g should be dissolved in dilute acid and transferred to heavy metal waste drum for collection by specialist disposal company.

Hazard Pictogram(s) :



Skin irritation



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.: 04
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