



SDFCL
s d fine-CHEM limited



Quality Control Dept.

Qu:

Product Specification

E Control	QC2\DATAD\ID\PSI37064GHS
PRODUCT CODE	37064
PRODUCT NAME	ALUMINIUM (METAL) FINE POWDER LR
SYNONYMS	---
C.I. NO.	---
CASR NO.	---
ATOMIC OR MOLECULAR FORMULA	Al
ATOMIC OR MOLECULAR WEIGHT	26.98
PROPERTIES	----

Al

PARAMETER	LIMIT
Description	A bright silver grey powder.
Solubility	Dissolve 1 gm in 25 ml of hot dilute HCl containing 1 drop of 5% w/v solution of mercuric chloride. The solution is almost clear and colourless.
Minimum Assay (Complexometric)	99.0%
Mesh Size (Passing through 200 mesh)	Min. 90.0%
MAXIMUM LIMIT OF IMPURITIES	
Insoluble in HCl	0.05%
Copper (Cu)	0.05%
Iron (Fe)	0.5%
Lead (Pb)	0.03%
Manganese (Mn)	0.01%

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

DANGER

Hazard statements : In contact with water releases flammable gases.

Precautionary statements

Prevention: Keep away from any possible contact with water ,because of violent reaction and possible flash fire Handle under inert gas.protect from moisture.wear protective gloves/protective clothing /eye protective /face protection.

Response: Blush off loose particles from skin.Immerse in cool water/wrap in wet bandages.

Storage:- Store in dry place store in a closed container.

IMDG Code : 4.3/II

UN No. : 1396

IATA : 4.3

Disposal: Dissolve the chemical in dilute hydrochloric acid and then pass H₂S (if required after adjusting pH) in a fume cupboard to precipitate metal sulphides. After filtration and washing, the product is to be given to the disposal company / suppliers. Alternatively metal may be precipitated from acid solution by neutralizing with ammonium hydroxide, followed by precipitation as hydroxide, carbonate or sulphate by adding a suitable precipitating reagent.

Hazard Pictogram(s) :



Flammable

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
Sign. :	Sign. :	Sign. :	Revision dt. :14.02.2015
Date : 04.02.2015	Date : 04.02.2015	Date : 14.02.2015	AMEND NO. : 1665

1

2

3

4