



SDFCL
s d fine-CHEM LIMITED



Quality Control Dept.

Product Specification

E Control	QC2\DATAD\ID:\PSI20231XPS.xls
PRODUCT CODE	20231
PRODUCT NAME	SELENIUM (METAL) POWDER AR
SYNONYMS	-
C.I. NO.	-
CASR NO.	(7782-49-2)
ATOMIC OR MOLECULAR FORMULA	Se
ATOMIC OR MOLECULAR WEIGHT	78.96
PROPERTIES	Red powder becoming black on standing. Electrically it acts as a rectifier and has marked photoconductive and photovoltaic action (Converts radiant to electrical energy).

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PARAMETER	LIMIT
Description	Very dark red to black powder.
Solubility	2% solution in dilute nitric acid is clear and almost colourless.
Minimum Assay (Iodometric)	99.5%
Loss on drying at 110°C	Max.0.05%
MAXIMUM LIMIT OF IMPURITIES	
Acid insoluble matter	0.01%
Non volatile matter	0.05%
Nitrogen compounds (N)	0.02%
Copper (Cu)	0.01%
Iron (Fe)	0.006%
Sulphur (S)	0.0015%
Tellurium (Te)	0.05%

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

HAZARD DANGER Fatal if swallowed.Fatal in contact with skin.Fatal if inhaled.May cause cancer. May damage fertility or the unborn child. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. PRECAUTIONARY STATEMENTS Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Do not get in eyes, on skin, or on clothing. Wash ... thoroughly after handling.Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.Wear respiratory protection. Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.IF exposed or concerned: Get medical advice/attention.Immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell. Specific treatment is urgent (see MSDS).Rinse mouth. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.Collect spillage.	IMDG Code :9/III UN No. :3077 IATA : 9
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Disposal: The chemical waste should be collected by specialized disposal company. Return the chemical to the supplier.

Hazard Pictogram(s) :



Acute toxicity



Aspiration hazard



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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