



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals

SELENIUM POWDER BLACK AR

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Chemical Name :	SELENIUM POWDER BLACK AR		
Catalogue No. :	AL3966	Product form :	Substance
CAS Number :	7782-49-2	EC Number :	231-957-4
Grade :		EC Index Number :	034-001-00-2
Chemical Formula :		HSN Code :	28049000
Synonyms :			
Chemical Structure :			

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture :	Laboratory chemicals, Manufacture of substances
Uses advised against :	No additional information available

1.3 Details of the supplier of the safety data sheet

Company identification :	Address:- 102, B wing, Savgan Heights, RTO Lane, Andheri (W), Mumbai-400 053 Maharashtra, India.
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1.4 Emergency Contact Details

Phone / e-Mail :	Phone : +91 22 26317055 Mobile : +91 9820385757 e-mail : info@alphachemika.com
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2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral),
 Category 3
 H301
 Acute toxicity (inhal.),
 Category 3
 H331
 Specific target organ
 toxicity " Repeated
 exposure, Category 2
 H373
 Hazardous to the aquatic
 environment " Chronic
 Hazard, Category 4
 H413
 Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC



T; R23/25
 R53
 R33
 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :	  <p style="text-align: center;">GHS06 GHS08</p>
Signal word (CLP) :	Danger
Hazard statements (CLP) :	H301+H331 - Toxic if swallowed or if inhaled H373 - May cause damage to organs through prolonged or repeated exposure H413 - May cause long lasting harmful effects to aquatic life
Precautionary statements (CLP) :	P260 - Do not breathe dust/fume/gas/mist/vapours/spray P264 - Wash ... thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P273 - Avoid release to the environment P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor! P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P311 - Call a POISON CENTER/doctor! P321 - Specific treatment (see ... on this label) P330 - Rinse mouth P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to {0}message= default=hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation filter=(_)DISPOSAL_+}

2.3 Other hazards

Other hazards :	No additional information available
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3. Composition/information on ingredients

3.1. Substance

Name : SELENIUM POWDER BLACK AR

CAS No. : 7782-49-2

EC Index No. : 034-001-00-2

EC No. : 231-957-4

Full text of R- and H-phrases: see section 16

3.2. Mixture

Not applicable

4. First aid measures

4.1 Description of first aid measures

First-aid measures after ingestion : Rinse mouth. Obtain emergency medical attention. Immediately call a POISON CENTER or doctor/physician. Specific treatment (see ... on this label).

4.2 Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Symptoms/injuries : There are potential chronic health effects to consider.
Symptoms/injuries after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

4.3 Indication of any immediate medical attention and special treatment needed

General information : Treat symptomatically.

5. Fire-fighting measures

5.1 Description of first aid measures

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Most important symptoms and effects, both acute and delayed

Special procedures : No additional information available

5.3 Indication of any immediate medical attention and special treatment needed

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures :	Do not get in eyes, on skin, or on clothing.
6.1.2. For emergency responders	
Protective equipment	Use personal protective equipment as required
6.2 Environmental precautions	
Avoid release to the environment.	
6.3 Methods and material for containment and cleaning up	
Methods for cleaning up :	Clear up rapidly by scoop or vacuum.
6.4 Reference to other sections	
Reference :	No additional information available

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling :	Do not get in eyes, on skin, or on clothing.
Hygiene measures :	Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

7.3 Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1 Control parameters

No additional information available

8.2 Exposure controls

Hand protection :	protective gloves
Eye protection :	Chemical goggles or safety glasses
Skin and body protection :	Wear suitable protective clothing
Respiratory protection :	Wear respiratory protection

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state :	Solid Colour
Colour :	Black powder.

Odour :	odourless.
Odour threshold :	No data available
pH value :	No data available
Relative evaporation rate (butylacetate=1) :	No data available
Melting point :	217 Â°C
Freezing point :	No data available
Boiling point :	685 Â°C
Flash point :	No data available
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability (solid, gas) :	No data available
Vapour pressure :	No data available
Relative vapour density at 20°C :	No data available
Density :	4.81 g/cmÂ³
Solubility :	Water: Insoluble in water
Log Pow :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available

9.2 Other information

No additional information available

10. Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

No additional information available

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

No additional information available

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity :	Oral: Toxic if swallowed. Inhalation: Toxic if inhaled.
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Not classified
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Reproductive toxicity :	Not classified
Specific target organ toxicity (single exposure) :	Not classified
Specific target organ toxicity (repeated exposure) :	May cause damage to organs through prolonged or repeated exposure. Additional information
Aspiration hazard :	Not classified
Potential adverse human health effects and symptoms :	Toxic if swallowed.

12. Ecological information

12.1 Toxicity

Toxicity information : Ecology - water : May cause long lasting harmful effects to aquatic life.

12.2 Persistence - degradability

Persistence - degradability : SELENIUM POWDER BLACK AR (7782-49-2) Persistence and degradability May cause long-term adverse effects in the environment.

12.3 Bioaccumulative potential

Bioaccumulative potential : No additional information available

12.4 Mobility in soil

Mobility in soil : No additional information available

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : No additional information available

12.6 Other adverse effects

Environmental precautions : No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ...

Ecology - waste materials : Hazardous waste due to toxicity.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3077

UN-No. (IMDG) : 3077

UN-No. (IATA) : 3077

UN-No. (ADN) : 3077

UN-No. (RID) : 3077

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (IATA) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Transport document description (ADR) : UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III

Transport document description (IMDG) : UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III

Transport document description (IATA) : UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III

Transport document description (ADN) : UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III

Transport document description (RID) : UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) :

9

Danger labels :

9



IMDG

Transport hazard class(es) :

9

Danger labels :

9



IATA

Transport hazard class(es) :

9

Danger labels :

9



ADN

Transport hazard class(es) :

9

Danger labels :

9



RID

Transport hazard class(es) :

9

Danger labels :

9



14.4. Packing group

Packing group (ADR) :

III

Packing group (IMDG) :

III

Packing group (IATA) :

III

Packing group (ADN) :

III

Packing group (RID) :	III
14.5. Environmental hazards	
Dangerous for the environment :	No
Marine pollutant :	No
Other information :	No supplementary information available
14.6. Special precautions for user	
- Overland transport	
<p> Classification code (ADR) : M7 Special provision (ADR) : 274, 335, 601, 375 Limited quantities (ADR) : 5kg Excepted quantities (ADR) : E1 Packing instructions (ADR) : P002, IBC08, LP02, R001 Special packing provisions (ADR) : PP12, B3 Mixed packing provisions (ADR) : MP10 Portable tank and bulk container instructions (ADR) : T1, BK1, BK2 Portable tank and bulk container special provisions (ADR) : TP33 Tank code (ADR) : SGAV, LGBV Vehicle for tank carriage : AT Transport category (ADR) : 3 Special provisions for carriage - Packages (ADR) : V13 Special provisions for carriage - Bulk (ADR) : VC1, VC2 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13 Hazard identification number (Kemler No.) : 90 Orange plates : Tunnel restriction code (ADR) : E EAC code : 2Z </p>	
- Transport by sea	

Special provision (IMDG)	274, 335, 966, 967, 969
Limited quantities (IMDG)	5 kg
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P002, LP02
Packing provisions (IMDG)	PP12
IBC packing instructions (IMDG)	IBC08
IBC special provisions (IMDG)	B3
Tank instructions (IMDG)	T1, BK1, BK2, BK3
Tank special provisions (IMDG)	TP33
EmS-No. (Fire)	F-A
EmS-No. (Spillage)	S-F
Stowage category (IMDG)	A
Stowage and handling (IMDG)	SW23
MFAG-No	171

- Air transport

PCA Excepted quantities (IATA) : E1
 PCA Limited quantities (IATA) : Y956
 PCA limited quantity max net quantity (IATA)
 : 30kgG
 PCA packing instructions (IATA) : 956
 PCA max net quantity (IATA) : 400kg
 CAO packing instructions (IATA) : 956
 CAO max net quantity (IATA) : 400kg
 Special provision (IATA) : A97, A158, A179, A197
 ERG code (IATA) : 9L

- Inland waterway transport

Classification code (ADN) : M7
 Special provisions (ADN) : 274, 335, 375, 601
 Limited quantities (ADN) : 5 kg
 Excepted quantities (ADN) : E1
 Carriage permitted (ADN) : T* B**
 Equipment required (ADN) : PP, A
 Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : M7
Special provision (RID) : 274, 335, 375, 601
Limited quantities (RID) : 5kg
Excepted quantities (RID) : E1
Packing instructions (RID) : P002, IBC08, LP02, R001
Special packing provisions (RID) : PP12, B3
Mixed packing provisions (RID) : MP10
Portable tank and bulk container instructions (RID)
: T1, BK1, BK2
Portable tank and bulk container special provisions (RID)
: TP33
Tank codes for RID tanks (RID) : SGAV, LGBV
Transport category (RID) : 3
Special provisions for carriage " Packages (RID)
: W13
Special provisions for carriage " Bulk (RID)
: VC1, VC2
Special provisions for carriage " Loading and unloading (RID)
: CW13, CW31
Colis express (express parcels) (RID) : CE11
Hazard identification number (RID) : 90

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations :

No REACH Annex XVII restrictions
SELENIUM POWDER BLACK AR is not on the REACH Candidate List
SELENIUM POWDER BLACK AR is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous to water (Classification according to VwVwS, Annex 3; WGK No 2751)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV
: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2 Chemical Safety Assessment

No additional information available

16. Other Information

Full text of R-, H- and EUH-phrases:

Acute Tox. 3 (Inhalation) Acute toxicity (inhal.), Category 3

Acute Tox. 3 (Oral) Acute toxicity (oral), Category 3

Aquatic Chronic 4 Hazardous to the aquatic environment " Chronic Hazard, Category 4

STOT RE 2 Specific target organ toxicity " Repeated exposure, Category 2

H301 Toxic if swallowed

H331 Toxic if inhaled

H373 May cause damage to organs through prolonged or repeated exposure

H413 May cause long lasting harmful effects to aquatic life

R23/25 Toxic by inhalation and if swallowed

R33 Danger of cumulative effects

R53 May cause long-term adverse effects in the aquatic environment

T Toxic