

Material Safety Data Sheet



SODIUM SELENATE ANHYDROUS AR

VERSION : 04
DATE OF ISSUE : 01-08-2023
SUPERSEDES : 03

Product Code : 26080

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

1.1. Product identifier

Trade name : SODIUM SELENATE AR
Product code : 26080
Identification of the product : SODIUM SELENATE ANHYDROUS
CAS No : 13410-01-0

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3. Details of the supplier of the safety data sheet

Company identification : MOLYCHEM
Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade,
Cuffe Parade, Mumbai 400 005 (INDIA)
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.
Email : info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C., OPP. Shobhavat
Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : T; R23/25

R33

N; R50-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331

Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301

Environmental hazards : Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning
(CLP : Aquatic Acute 1) H400

Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning (CLP : Aquatic Chronic
1) H410

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) :

T : Toxic
N : Dangerous for the environment

MOL



H.Q.



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R Phrase(s) :

R23/25 : Toxic by inhalation and if swallowed.
R33 : Danger of cumulative effects.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) :

S20/21 : When using, do not eat, drink or smoke.
S28 : After contact with skin, wash immediately with
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
S60 : This material and its container must be disposed of as hazardous waste.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

Labelling Regulation EC 1272/2008 (CLP)

Signal words : Danger

Hazard statements :

H301 : Toxic if swallowed.
H331 : Toxic if inhaled.
H410 : Very toxic to aquatic life with long lasting effects.

Precautionary statements

• Prevention :

P271: Use only outdoors or in a well-ventilated area.
P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
P273: Avoid release to the environment.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.

• Response :

P301+P310: IF SWALLOWED : Immediately call a POISON CENTER or doctor.
P391: Collect spillage.
P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

• Storage :

P403+P233: Store in well-ventilated place. Keep container tightly closed.
P405: Store locked up.

• Disposal considerations :

P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national

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and/or international regulation.

2.3. Other hazards

Other hazards : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

3.1 Substances

Formula	: Na ₂ O ₄ Se
Molecular weight	: 188.94 g/mol
CAS-No.	: 13410-01-0
EC-No.	: 236-501-8
Index-No.	: 034-002-00-8

Component	Classification	Concentration
CAS-No. 13410-01-0	Acute Tox. 1; Skin Irrit. 2;	<= 100 %
EC-No. 236-501-8	STOT RE 2; Aquatic Acute	
Index-No. 034-002-00-8	1; Aquatic Chronic 1; H300, H330, H315, H373, H400, H410 M-Factor - Aquatic Acute: 1 - Aquatic Chronic: 1	

4. First aid measures

4.1. Description of first aid measures

General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air. Immediately call in physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

In case of eye contact

After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.

If swallowed

If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)

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4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Sodium oxides

Selenium/selenium oxides

Not combustible.

Ambient fire may liberate hazardous vapours.

5.3. Advice for fire-fighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection.

Wash hands and face after working with substance.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Store under inert gas.

Storage class

Storage class (TRGS 510): 6.1B: Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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 face shield
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

a) Physical state : crystalline
b) Color : white
c) Odor : No data available
d) Melting : No data available
point/freezing point
e) Initial boiling : No data available
point and boiling range
f) Flammability : The product is not flammable.
(solid, gas)
g) Upper/lower : No data available
flammability or
explosive limits
h) Flash point : Not applicable
i) Autoignition temperature : > 400 °C
1.013,25 hPa - Regulation (EC) No. 440/2008, Annex, A.16
j) Decomposition temperature : No data available
k) pH : 5.5 – 7.5 at 18,9 g/l at 25 °C
l) Viscosity : Viscosity, kinematic: No data available
Viscosity, dynamic: No data available

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m) Water solubility	ca.18,9 g/l at 20 °C
n) Partition coefficient: -octanol/water	No data available
o) Vapor pressure	< 0,1 hPa at 20 °C
p) Density	3.213 g/cm ³ at 17.4 °C
Relative density	No data available
q) Relative vapor density	No data available
r) Particle characteristics	No data available
s) Explosive properties	No data available
t) Oxidizing properties	None

9.2. Other information

No data available

10. Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

no information available

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

In the event of fire: see section 5

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Oral: Toxic if swallowed. Inhalation: Toxic if inhaled.
Skin corrosion/irritation	: Not classified pH: 5.5 - 7.5
Serious eye damage/irritation	: Not classified pH: 5.5 - 7.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified

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15. Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Authorisations and/or restrictions on use

National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

H1 ACUTE TOXIC

E1 ENVIRONMENTAL HAZARDS

Other regulations

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable.

Take note of Dir 94/33/EC on the protection of young people at work.

15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. Other information

Abbreviations and acronyms :

PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008
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