# 1. Product and Company Identifaction

www.rxmarine.com

Product Name RXSOL-60-6605-408
Product Type SELENIUM POWDER

Revised date

Company Details:

RX MARINE INTERNATIONAL 105, A wing , BSEL , TECH PARK. VASHI ,NEW BOMBAY 400703 INDIA

Stock Point: Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone +91 22 27815541 / 42

Fax +91 22 2781 1318 :::AOH :0091 9821214367

Email <u>mail@rxmarine.com</u>

# 2. Composition / Information on ingredients

www.rxmarine.com

Substance / Preparation : Selenium

CAS No:7782-49-2

Substance. Substance name Contents CAS No

Selenium: 100 % 7782-49-2

Contains no other components or impurities which will influence the classification of the product.

#### 3. Hazards Identification

www.rxmarine.com

#### 3..1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification: T; R23/25 R33 R53

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 - Chronic hazard - Category 4 (CLP: Aquatic Chronic 4) H413

3.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : T : Toxic

R Phrase(s): R23/25: Toxic by inhalation and if swallowed.

R33: Danger of cumulative effects.

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

S Phrase(s): S1/2: Keep locked up and out of reach of children.

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). S61: Avoid release to the environment.

Refer to special instructions/Safety data sheets.

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms

Signal words: Danger

Hazard statements: H301: Toxic if swallowed.

H331: Toxic if inhaled.

H413: May cause long lasting harmful effects to aquatic life. Precautionary statements

🛚 General: P102: Keep out of reach of children.

P103: Read label before use.

P101: If medical advice is needed, have product container or label at hand.

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.

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 and/or international regulation.

3.3. 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.

4. First Aid Measures www.rxmarine.com

#### 4.1. Description of first aid measures

Inhalation: Assure fresh air breathing. Allow the victim to rest.

Immediately call a POISON CENTER or doctor. Specific treatment (see on this label).

Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact: Remove affected clothing and wash all exposed

skin area with mild soap and water, followed by warm water rinse.

Eye contact: Rinse immediately with plenty of water.

Obtain medical attention if pain, blinking or redness persist.

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately

call a POISON CENTER or doctor. Specific treatment (see on this label).

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

Symptoms relating to use: Danger of serious damage to health by prolonged exposure through inhalation.

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: Never give anything by mouth to an unconscious person.

If you feel unwell, seek medical advice (show the label where possible).

### 5. Fire-fighting Measures

www.rxmarine.com

#### 5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

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

Surrounding fires: Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.

5.3. Advice for fire-fighters

Protection against fire: Do not enter fire area without proper protective equipment,

including respiratory protection.

Special procedures: Exercise caution when fighting any chemical fire.

#### 6. Accidental Release Measures

www.rxmarine.com

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions: Prevent entry to sewers and public waters.

Notify authorities if product enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Clean up methods: Soak up spills with inert solids, such as clay or diatomaceous

earth as soon as possible. Store away from other materials. Collect spillage.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

# 7. Handling and Storage

www.rxmarine.com

#### 7.1. Precautions for safe handling

Handling: Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Avoid breathing dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place.

Keep container tightly closed.

Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Specific end use(s): None.

#### 8.1. Exposure controls

Personal protection: Avoid all unnecessary exposure.

? Respiratory protection : In case of insufficient

ventilation, wear suitable respiratory equipment.

[] Hand protection : Wear protective gloves.

2 Eye protection : Chemical goggles or safety glasses.

2 Others: When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits: No data available.

# 9. Physical and chemical properties

www.rxmarine.com

### 9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Solid.

Odour threshold: No data available.

pH value : No data available.

Melting point [°C] : 217 °C

Decomposition point [°C]: N/A

Critical temperature  $[^{\circ}C]$ : N/A

Auto-ignition temperature  $[^{\circ}C]$ : N/A

Flammability (solid, gas) : N/A

Flash point [°C]: N/A

Boiling point [°C]: 685 °C

Initial boiling point [°C]: N/A

Final boiling point [°C]: N/A

Evaporation rate: N/A

Vapour pressure [20°C]: N/A

Vapour pressure mm/Hg: N/A

Vapour density: N/A

Density [g/cm3]: 4,81

Relative density, gas (air=1): N/A

Relative density, liquid (water=1): N/A

Solubility in water [% weight] : Insoluble in water

Solubility in water: N/A

Log Pow octanol / water at 20°C : No data available.

Solubility: N/A

Viscosity at 40°C [mm2/s] : N/A

9.2. Other information

Explosive properties: N/A

Explosion limits - upper [%]: N/A

Explosion limits - lower [%]: N/A

Oxidising properties: No data available.

# 10. Stability and reactivity

www.rxmarine.com

10.1. Reactivity

Reactivity: Not established.

10.2. Chemical stability

Chemical stability: Stable under

recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not established.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight.

Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid: Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products: Fumes.

Carbon monoxide. Carbon dioxide.

### 11. Toxicological information

www.rxmarine.com

11.1. Information on toxicological effects Acute toxicity

Inhalation : Toxic if inhaled.

🛚 Dermal : Based on available data, the classification criteria are not met.

Ingestion : Toxic if swallowed.

Corrosion: Based on available data, the classification criteria are not met.

Irritation: Based on available data, the classification criteria are not met.

Sensitization: Based on available data, the classification criteria are not met.

Mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Toxic for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

# 12. Ecological information

www.rxmarine.com

12.1. Toxicity

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

12.2. Persistence - degradability

 $Persistence \hbox{--} degradability: May \ cause \hbox{long-term adverse effects in the environment.}$ 

12.3. Bioaccumulative potential

Bioaccumulative potential: Not established.

12.4. Mobility in soil

Mobility in soil: Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified

as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions: Avoid release to the environment.

### 13. Disposal considerations

www.rxmarine.com

#### 13.1. Waste treatment methods

General: Avoid release to the environment.

Dispose in a safe manner in accordance with local/national regulations.

Dispose of this material and its container to hazardous or special waste

collection point, in accordance with local, regional,

national and/or international regulation. Special precautions: Hazardous waste due to toxicity.

### 14. Transport information

www.rxmarine.com

#### 14.1. Land transport (ADR-RID)

 $Proper\ shipping\ name: ENVIRONMENTALLY\ HAZARDOUS\ SUBSTANCE,\ SOLID,\ N.O.S.$ 

UN N°: 3077

H.I. nr: 90

ADR - Class: 9

Labelling - Transport : 9 : Miscellaneous dangerous substances and articles.

ADR - Classification code: M7

ADR - Group : III

ADR - Packing instructions : P002 R001 LP002

ADR - Limited Quantity: 5 KG

ADR - Tunnel code : E : Passage forbidden through tunnels of category E.

14.2. Sea transport (IMDG) [English only]

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

UN N°: 3077

IMO-IMDG - Class or division: 9: Miscellaneous dangerous substances and articles.

IMO-IMDG - Packing group: III

IMO- IMDG - Packing instructions: P002 LP02

IMO-IMDG - Limited quantities: 5 kg

IMO-IMDG - Marine pollution : No

EMS-Nr: F-A S-F

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

UN N°: 3077

IATA - Class or division: 9: Miscellaneous dangerous substances and articles.

IATA - Packing group: III

IATA - Passenger and Cargo Aircraft : ALLOWED -

Passenger and Cargo - Packing: 956

instruction - Passenger and Cargo - Maximum: 400 kg

Quantity/Packing

IATA - Cargo only: ALLOWED -

Cargo only - Packing instruction: 956 -

Cargo only - Maximum Quantity/: 400 kg

Packing IATA - Limited Quantites: 30 kg

G ERG-Nr: 9L

# 15. Regulatory information

www.rxmarine.com

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

Safety, health and environmental: Ensure all national/local regulations are observed.

regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment: It has not been carried out.

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) Nº 1907/2006 and with CLP Regulation (CE) Nº 1272/2008

DISCLAIMER OF LIABILITY The information in this SDS

was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.