Material Safety Data Sheet

NICKEL POWDER 200 MESH (RXSOL-60-6605-084)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-084
Product Type	NICKEL (POWDER) 200 mesh
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

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2. Composition / informationon ingredients

Substance / Preparation : Nickel
CAS No :7440-02-0
Substance.

Substance name	Contents	CAS No
Nickel :	100 %	7440-02-0

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

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45
Classification : Carc. Cat. 3; R40 T; R48/23 R43 R52-53
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
Health hazards : Carcinogenicity - Category 2 - Warning (CLP : Carc. 2) H351
Specific Target Organ Toxicity - Repeated exposure -
Category 1 - Danger (CLP : STOT RE 1) H372
Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1) H317
Environmental hazards : Hazardous to the aquatic environment
- Chronic hazard - Category 3 (CLP : Aquatic Chronic 3) H412
3.2. Label elements
Labelling EC 67/548 or EC 1999/45
Symbol(s) : Xn : Harmful
R Phrase(s) : R40 : Limited evidence of a carcinogenic effect.
R43 : May cause sensitization by skin contact.
R48/23 : Toxic : danger of serious damage to health by prolonged exposure through inhalation.
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S Phrase(s) : S22 : Do not breath dust.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
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 : H351 : Suspected of causing cancer.
H317 : May cause an allergic skin reaction.
H372 : Causes damage to organs through prolonged or repeated exposure.
H412 : Harmful to aquatic life with long lasting effects. 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.

P201: Obtain special instructions before use.
• Prevention : P280: Wear protective gloves, protective clothing, eye protection, face protection.
P260: Do not breathe 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.
P272: Contaminated work clothing should not be allowed out of the workplace.
• Response : P302+P352: IF ON SKIN : Wash with plenty of soap and water.
P308+P313: If exposed or concerned : get medical advice.
P333+P313: If skin irritation or rash occurs : Get medical advice.
P363: Wash contaminated clothing before reuse.
P314: Get medical advice if you feel unwell.
• Storage : 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

4.1. Description of first aid measures
Inhalation : Assure fresh air breathing. Allow the victim to rest.
Skin contact : Remove affected clothing and wash all exposed
skin area with mild soap and water, followed by warm water rinse.
Wash with plenty of soap and water. Wash contaminated clothing before reuse.
If skin irritation or rash occurs : Get medical advice. Specific treatment (see on this label).
Eye contact : Rinse immediately with plenty of water.
Obtain medical attention if pain, blinking or redness persist
. Ingestion : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms relating to use : Suspected of causing cancer. Causes damage to organs
through prolonged or repeated exposure. May cause an allergic skin reaction.
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

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. Avoid (reject) fire-fighting water to enter environment.

6. Accidental Release Measures

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

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

Do not breathe dust, fume, gas, mist, vapours, spray.
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before reuse. Obtain special instructions before use.
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 closed when not in use.
Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.
7.3. Specific end use(s)
Specific end use(s) : None.

8. Exposure controls and personal protection

8.1. Exposure controls
Personal protection : Avoid all unnecessary exposure.
• Respiratory protection : Wear approved mask.
• Hand protection : Wear protective gloves.
• Eye protection : Chemical goggles or safety glasses.
• Others : When using, do not eat, drink or smoke.
8.2. Control parameters
Occupational Exposure Limits : No data available.

9. Physical and chemical properties

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] : 1455°C
Decomposition point [°C] : N/A
Critical temperature [°C] : N/A
Auto-ignition temperature [°C] : 87 °C
Flammability (solid, gas) : N/A
Flash point [°C] : N/A
Boiling point [°C] : 2730°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] : 8,098
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 : 9 - 11 at 20 °C
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

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

11.1. Information on toxicological effects Acute toxicity
• Inhalation : Based on available data, the classification criteria are not met.
• Dermal : Based on available data, the classification criteria are not met.
• Ingestion : Based on available data, the classification criteria are not met.
Corrosion : Based on available data, the classification criteria are not met
. Irritation : Based on available data, the classification criteria are not met.
Sensitization : May cause an allergic skin reaction.
Mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Suspected of causing cancer.
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 : Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity
Toxicity information : Harmful
to aquatic life with long lasting effects.
12.2. Persistence - degradability
Persistence - degradability : May
cause 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

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.

14. Transport information

14.1. Land transport (ADR-RID)
Proper shipping name : METAL POWDER, FLAMMABLE, N.O.S.
UN N° : 3089
H.I. nr : 40
ADR - Class : 4.1
Labelling - Transport : 4.1 : Flammable solids, self-reactive substances and desensitized explosives.
ADR - Classification code : F3
ADR - Group : II
ADR - Packing instructions : P002
ADR - Limited Quantity : 1 KG
ADR - Tunnel code : E : Passage forbidden through tunnels of category E.
14.2. Sea transport (IMDG) [English only]
Proper shipping name : METAL POWDER, FLAMMABLE, N.O.S.
UN N° : 3089
IMO-IMDG - Class or division : 4.1 : Flammable solids, self-reactive substances and desensitized explosives.
IMO-IMDG - Packing group : II
IMO- IMDG - Packing instructions : P002
IMO-IMDG - Limited quantities : 1 kg
IMO-IMDG - Marine pollution : No

EMS-Nr : F-G S-G
14.3.Air transport (ICAO-IATA) [English only]
Proper shipping name : METAL POWDER, FLAMMABLE, N.O.S.
UN N° : 3089
IATA - Class or division : 4.1 : Flammable solids, self-reactive substances and desensitized explosives.
IATA - Packing group : II
IATA - Passenger and Cargo Aircraft : ALLOWED -
Passenger and Cargo - Packing : 445
instruction - Passenger and
Cargo - Maximum : 15 kg
Quantity/Packing
IATA - Cargo only : ALLOWED -
Cargo only - Packing instruction : 448 -
Cargo only - Maximum Quantity/ : 50 kg
Packing IATA - Limited Quantites : 5 kg
ERG-Nr : 3L

15. Regulatory information

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. r
egulations/legislation specific for the substance or mixture
REACH Restrictions - Annex XVII : With the exception of those listed below: 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.

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) Nº 1907/2006 and with CLP Regulation (CE) Nº 1272/2008 DISCLAIMER OF LIABILITY The information in this SDS
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