# Material Safety Data Sheet

**PHENYL HYDRAZINE HYDROCHLORIDE** (RXSOL-60-6605-222)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | RXSOL-60-6605-223 |
| Product Type | PHENYL HYDRAZINE HYDROCHLORIDE |
| 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

3.1 Substances : Phenyl Hydrazine Hydrochloride
CAS-No. : 59-88-1

| Substance name | Contents | CAS No |
|---|---|---|
| Phenylhydrazinium chloride | = 100 % | 59-88-1 |

Substance.
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 according to Regulation (EC) No 1272/2008 Acute toxicity, Oral (Category 3), H301
Acute toxicity, Inhalation (Category 3), H331
Acute toxicity, Dermal (Category 3), H311
Skin irritation (Category 2), H315
Eye irritation (Category 2), H319
Skin sensitisation (Category 1), H317
Germ cell mutagenicity (Category 2), H341
Carcinogenicity (Category 1B), H350
Specific target organ toxicity - repeated exposure (Category 1), H372
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410
For the full text of the H-Statements mentioned in this Section, see Section 16.
3.2 Label elements
Labelling according Regulation (EC) No 1272/2008
Symbol(s) : T : Very toxic
N : Dangerous for the environment.
R Phrase(s) : R45: May cause cancer
R23/24/25 :Toxic by Inhalation, in contact with
skin and if swallowed. R36/38: Irritating to eyes and skin.
R43 : May cause sensitization by skin contact.
R48/23/24/25: Toxic: danger of serious damage to health by prolonged
exposure through inhalation, in contact with skin and if swallowed.
R50 : Very toxic to aquatic organisms.
R68 : Possible risk of irreversible effects.
S Phrase(s) : S53 :Avoid exposure – obtain special instruction before use.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S61: Avoid release to the environment . refer to special instruction/safety data sheets. Pictogram

Signal word : Danger Hazard statement(s) H301 + H311 + H331
Toxic if swallowed, in contact with skin or if inhaled
H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects. Precautionary statement(s)
P201 Obtain special instructions before use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves/ protective clothing.
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Supplemental Hazard Statements none Restricted to professional users.
3.3 Other hazards
This substance/mixture contains no components considered to be either persistent,
bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 4. First Aid Measures

4.1 Description of first aid measures
•General advice Consult a physician. Show this safety data sheet to the doctor in attendance.
•If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
•In case of skin contact Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
•In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
•If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
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) and/or in section 11
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 water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture
Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas
5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.
5.4 Further information No data available

## 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.
6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Discharge into the environment must be avoided.
6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel.
Keep in suitable, closed containers for disposal.
6.4 Reference to other sections
For disposal see section 13.

## 7. Handling and Storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.Avoid
exposure - obtain special instructions before use. Provide
appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.
7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Hygroscopic. Light sensitive. Store under inert gas. Air sensitive.
Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic
hazardous materials or hazardous materials causing chronic effects

7.3 Specific end use(s)
Apart from the uses mentioned in section
1.2 no other specific uses are stipulated

## 8. Exposure controls and personal protection

8.1 Control parameters 8.2 Exposure controls
•Appropriate engineering controls Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
•Personal protective equipment
•Eye/face protection Face shield and safety glasses Use equipment for
eye protection tested and approved under appropriate government standards
such as NIOSH (US) or EN 166(EU). •Skin protection Handle with gloves.
Gloves must be inspected prior to use. Use proper glove removal technique
(without touching glove's outer surface) to avoid skin contact with this product.
Dispose of contaminated gloves after use in accordance with applicable laws
and good laboratory practices. Wash and dry hands. If used in solution, or mixed
with other substances, and under conditions which differ from EN 374,
contact the supplier of the CE approved gloves. This recommendation is advisory only
and must be evaluated by an industria situation of anticipated use by our customers.
It should not be construed as offering an approval for any specific use scenario.
•Body Protection Complete suit protecting against chemicals, The type of protective equipment
must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
•Respiratory protection Where risk assessment shows air-purifying respirators are appropriate use (EN 143)
respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator.
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
•Control of environmental exposure Prevent further leakage or spillage if safe to
do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Odour Threshold: No data available
pH: No data available
Melting point/freezing point Melting point/range: 250 - 254 °C - dec.
Initial boiling point and boiling range :No data available
Flash point: No data available
Evaporation rate No data available
Flammability (solid, gas) :No data available
Upper/lower flammability or explosive limits :No data available
Vapour pressure: No data available
Vapour density : No data available
Relative density No data available
Water solubility: No data available
Partition coefficient: noctanol/ water :No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity: No data available
Explosive properties: No data available
Oxidizing properties: No data available
9.2 Other safety information
No data available

## 10. Stability and reactivity

10.1 Reactivity
No data available
10.2 Chemical stability
Stable under recommended
storage conditions.
10.3 Possibility of hazardous reactions
No data available
10.4 Conditions to avoid
No data available
10.5 Incompatible materials
Oxidizing agents, Bases
10.6 Hazardous decomposition
products Hazardous decomposition products formed under fire
conditions. - Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas
Other decomposition products - No data available In the event of fire: see section 5

## 11. Toxicological information

11.1 Information on toxicological effects
•Acute toxicity LD50 Oral - Mouse - 2,100 mg/kg(Phenylhydrazinium chloride)
•Skin corrosion/irritation No data available(Phenylhydrazinium chloride)
•Serious eye damage/eye irritation No data available(Phenylhydrazinium chloride)
•Respiratory or skin sensitisation
•Germ cell mutagenicity Laboratory experiments have shown mutagenic effects.(Phenylhydrazinium chloride)
In vitro tests showed mutagenic effects(Phenylhydrazinium chloride)
•Carcinogenicity This product is or contains a component that has been reported to be proba
EPA classification.(Phenylhydrazinium chloride) Possible human carcinogen(Phenylhydrazinium chloride)
(Phenylhydrazinium chloride) IARC: No component of this product present at levels greater
than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
•Reproductive toxicity No data available(Phenylhydrazinium chloride)
•Specific target organ toxicity - single exposure No data available(Phenylhydrazinium chloride)
•Specific target organ toxicity - repeated exposure Causes damage to organs through prolonged or repeated exposure.
•Aspiration hazard No data available(Phenylhydrazinium chloride)
•Additional Information RTECS: MV9000000

## 12. Ecological information

12.1 Toxicity
No data available
12.2 Persistence and degradability
Biodegradability Result: - Readily
biodegradable Remarks: No data available
12.3 Bioaccumulative potential
No data available
12.4 Mobility in soil
No data available(Phenylhydrazinium chloride)
12.5 Results of PBT and vPvB assessment
This substance/mixture contains no components
considered to be either persistent, bioaccumulative and toxic
(PBT), or very persistent and very bioaccumulative (vPvB)
at levels of 0.1% or higher.
12.6 Other adverse effects
Very toxic to aquatic life with long lasting effects.

## 13. Disposal considerations

13.1 Waste treatment methods
•Product Offer surplus and non-recyclable solutions to a licensed disposal company.
Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.
•Contaminated packaging Dispose of as unused product.

## 14. Transport information

14.1 UN number ADR/RID: 2811
IMDG: 2811 IATA: 2811
14.2 UN proper shipping name
ADR/RID: TOXIC SOLID, ORGANIC, N.O.S.
(Phenylhydrazinium chloride) IMDG: TOXIC SOLID, ORGANIC, N.O.S.
(Phenylhydrazinium chloride) IATA: Toxic solid, organic, n.o.s.
(Phenylhydrazinium chloride)
14.3 Transport hazard class(es)
ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1
14.4 Packaging group
ADR/RID: III
IMDG: III
IATA: III
14.5 Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no
14.6 Special precautions for user
No data available

## 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
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) 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.