

1. Product and Company Identification

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Product Name PHENYL HYDRAZINE FOR SYNTHESIS
Part Number RXSOL-60-6605-221

Company Details:

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

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2. Composition / Information on ingredients

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| Camical Name | CAS | EC number | Weight % |
|--------------------------------|----------|-----------|----------|
| PHENYL HYDRAZINE FOR SYNTHESIS | 100-63-0 | 202-873-5 | 98% |

3. Hazards Identification

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Signal word -

Classification according to Regulation (EC) No. 1272/2008 [CLP] Carcinogenicity, Category 1B H350 Acute toxicity (dermal), Category 3 H311 Acute toxicity (inhal.), Category 3 H331 Acute toxicity (oral), Category 3 H30 Specific target organ toxicity ☒ Repeated exposure, Category 1 H372 Germ cell mutagenicity, Category 2 H341 Serious eye damage/eye irritation, Category 2 H319 Skin corrosion/irritation, Category 2 H315 Specific target organ toxicity ☒ Single exposure, Category 3, Respiratory tract irritation H335 Sensitisation ☒ Skin, category 1 H317 Hazardous to the aquatic environment ☒ Acute Hazard, Category 1 H400

Classification according to Directive 67/548/EEC or 1999/45/EC Carc.Cat.2; R45 Muta.Cat.3; R68 T; R23/24/25 T; R48/23/24/25 Xi; R36/38 R43 N; R50 Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects statements Statements No additional information available
NoneH301+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 H335 - May cause respiratory irritation H341 - Suspected of causing genetic defects H350 - May cause cancer H372 - Causes damage to organs through prolonged or repeated exposure H400 - Very toxic to aquatic life

Precautionary statements (CLP) P201 - Obtain special instructions before use P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protectionP301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

4. First Aid Measures

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| First-aid measures after inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell |
| First-aid measures after skin contact | Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Specific measures (see ... on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label). If skin irritation or rash occurs: |
| First-aid measures after eye contact | RRinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Remove contaminated clothing Flush exposed area with water and follow by washing with soap if available. |
| 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) |
| Symptoms/injuries | Suspected of causing genetic defects. May cause cancer. Causes damage to organs through prolonged or repeated exposure |
| Symptoms/injuries after inhalation | May cause an allergic skin reaction. May cause respiratory irritation |
| Symptoms/injuries after skin contact | Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin. Causes skin irritation |
| Symptoms/injuries after eye contact | Causes serious eye irritation. |
| Symptoms/injuries after ingestion | Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard |

5. Fire-fighting Measures

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| Extinguishing media | Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use a heavy water stream. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. |
| Special hazards arising from the substance or mixture | No additional information available |
| Advice for firefighters | Do not attempt to take action without suitable protective equipment. |

6. Accidental Release Measures

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| Emergency procedures | Evacuate unnecessary personnel. |
| Protective equipment | Use personal protective equipment as required. |
| Personal Protection | NA |
| Environmental Precaution | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Methods and materials for containment and cleaning | Clear up rapidly by scoop or vacuum. |

7. Handling and Storage

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|-------------------------------|---|
| Precautions for safe handling | Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a wellventilated area. Do not breathe dust/fume/gas/mist/vapours/spray |
| Hygiene measures | Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. |

Storage conditions

Keep container tightly closed. Store in original container. Store in a dry place. Protect from moisture.

8. Exposure controls and personal protection

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Hand protection

Protective gloves

Eye protection

Chemical goggles or safety glasses

Skin and body protection

Wear suitable protective clothing

Respiratory protection

Wear respiratory protection



Gloves Suit

9. Physical and chemical properties

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Physical state

Solid

Colour

Pale yellow.

Odour

faint aromatic odor

Odor Threshold

No data available

pH

Not determined

Melting Point

18 - 21

Freezing point

No data available

Boiling Point

238 - 241

Flash Point

89 °C

Evaporation Rate

Not Applicable

Flammability (solid, gas)

No data available

Explosive limits

No Data Available

Upper/lower flammability or explosive limits

No data available

Autoignition temperature

No data available

Decomposition temperature

No data available

Vapour pressure

No Data Available

Density

1.098 g/cm³

Vapour Density

No Data Available

Relative vapour density at 20 °C

3.7

Upper/lower flammability or explosive limits

Upper explosion limit: 10 %(V)

Lower explosion limit: 1.2 %(V)

Vapour density

NA

Relative density

NA

Vapour pressure

1 mm Hg at 71.80C

Partition coefficient

NA

Auto-ignition emperature

NA

Explosive properties

? 0.011 vol %

Solubility

DMSO (Slightly), Water (Slightly)

Ignition temperature

No information available.

Particle characteristics

No data available

10. Stability and reactivity

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|------------------------------------|---|
| Reactivity | No additional information available |
| Stability | Stable under normal conditions.. |
| Possibility of hazardous reactions | No additional information available |
| Conditions to avoid | Direct sunlight. Air contact. Moisture. |
| Incompatible materials | No additional information available |
| Hazardous decomposition products | No additional information available |

11. Toxicological information

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|---|---|
| Acute toxicity | Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled. Oral: Toxic if swallowed. |
| Skin corrosion/irritation | Causes skin irritation |
| Serious eye damage/irritation | Causes serious eye irritation |
| Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| Germ cell mutagenicity | Suspected of causing genetic defects. |
| Carcinogenicity | May cause cancer |
| Reproductive toxicity | Not classified |
| Specific target organ toxicity (single exposure) | May cause respiratory irritation. |
| Specific target organ toxicity (repeated exposure) | Causes damage to organs through prolonged or repeated exposure |
| Aspiration hazard | Not classified |
| Potential adverse human health effects and symptoms | Toxic if swallowed. Toxic in contact with skin |

12. Ecological information

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|------------------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |
| Mobility in soil | No additional information available |
| Results of PBT and vPvB assessment | No additional information available |
| Other adverse effects | No additional information available |

13. Disposal considerations

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| Product/Packaging disposal recommendations | Dispose of contents/container to |
| Ecology - waste materials | Hazardous waste due to toxicity. |

14. Transport information

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| In accordance with ADR / RID / IMDG / IATA / ADN | |
| UN number | UN-No. (ADR) : 2572 UN-No. (IMDG) : 2572 UN-No.(IATA) : 2572 UN-No.(ADN) : 2572 UN-No. (RID) : 2572o |
| UN proper shipping name | Proper Shipping Name (ADR) : PHENYLHYDRAZINE Proper Shipping Name (IMDG) : PHENYLHYDRAZINE Proper Shipping Name (IATA) : PHENYLHYDRAZINE Proper Shipping Name (ADN) : PHENYLHYDRAZINE Proper Shipping Name (RID) : PHENYLHYDRAZINE Transport document description (ADR) : UN 2572 PHENYLHYDRAZINE, 6.1, II, (D/E), ENVIRONMENTALLY HAZARDOUS Transport document description (IMDG) : UN 2572 PHENYLHYDRAZINE, 6.1, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS Transport |

document description (IATA) : UN 2572 PHENYLHYDRAZINE, 6.1, II, ENVIRONMENTALLY HAZARDOUS Transport document description (ADN) : UN 2572 PHENYLHYDRAZINE, 6.1, II, ENVIRONMENTALLY HAZARDOUS Transport document description (RID) : UN 2572 PHENYLHYDRAZINE, 6.1, II, ENVIRONMENTALLY HAZARDOUS

Transport hazard class(es)

Transport hazard class(es) (ADR) : 6.1 Danger labels (ADR) : 6.1

IMDG Transport hazard class(es) (IMDG) : 6.1 Danger labels (IMDG) : 6.1

IATA Transport hazard class(es) (IATA) : 6.1 Hazard labels (IATA) : 6.1

ADN Transport hazard class(es) (ADN) : 6.1 Danger labels (ADN) : 6.1

RID Transport hazard class(es) (RID) : 6.1 Danger labels (RID) : 6.1

Packing group

Packing group (ADR) : II Packing group (IMDG) : II Packing group (IATA) : II Packing group (ADN) : II Packing group (RID) : II

Environmental hazards

Dangerous for the environment : Yes Marine pollutant : Yes Other information : No supplementary information available

Special precautions for user

Overland transport Classification code (ADR) : T1 Limited quantities (ADR) : 100ml Excepted quantities (ADR) : E4 Packing instructions (ADR) : P001, IBC02 Mixed packing provisions (ADR) : MP15 Portable tank and bulk container instructions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : TP2 Tank code (ADR) : L4BH Tank special provisions (ADR) : TU15, TE19 Vehicle for tank carriage : AT Transport category (ADR) : 2 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28 Special provisions for carriage - Operation (ADR) : S9, S19 Hazard identification number (Kemler No.) : 60 Tunnel restriction code (ADR) : D/E EAC code : ☐3X

- Air transport

PCA Excepted quantities (IATA) : E4 PCA Limited quantities (IATA) : Y641 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 654 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 662 CAO max net quantity (IATA) : 60L ERG code (IATA) : 6L

-Inland waterway transport

Classification code (ADN) : T1 Special provisions (ADN) : 802 Limited quantities (ADN) : 100 ml Excepted quantities (ADN) : E4 Equipment required (ADN) : PP, EP, TOX, A Ventilation (ADN) : VE02 Number of blue cones/lights (ADN) : 2

- Rail transport

Classification code (RID) : T1 Limited quantities (RID) : 100ml Excepted quantities (RID) : E4 Packing instructions (RID) : P001, IBC02 Mixed packing provisions (RID) : MP15 Portable tank and bulk container instructions (RID) : T7 Portable tank and bulk container special provisions (RID) : TP2 Tank codes for RID tanks (RID) : L4BH Special provisions for RID tanks (RID) : TU15 Transport category (RID) : 2 Special provisions for carriage ☐ Loading and unloading (RID) : CW13, CW28, CW31 Colis express (express parcels) (RID) : CE5 Hazard identification number (RID) : 60

15. Regulatory information

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No REACH Annex XVII restrictions

PHENYL HYDRAZINE FOR SYNTHESIS is not on the REACH Candidate List

PHENYL HYDRAZINE FOR SYNTHESIS is not on the REACH Annex XIV List

16. Other information

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Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no

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