Material Safety Data Sheet

PHENYL HYDRAZINE HYDROCHLORIDE AR (RXSOL-60-6605-223)

1. Product and Company Identifaction

Product Name	PHENYL HYDRAZINE HYDROCHLORIDE AR
Part Number	RXSOL-60-6605-223

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

Branch : Kandla, Mumbai, Chennai, Vizag , Kolkata, UAE, OMAN and KENYA

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2. Composition / informationon ingredients

Chemical Name	CAS number	Weight %
PHENYL HYDRAZINE HYDROCHLORIDE AR	59-88-1	97%

3. Hazards Identification

Signal Word	Danger
Hazard statements (CLP)	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 H371 - May cause damage to organs H372 - Causes damage to organs through prolonged or repeated exposure H400 - Very toxic to aquatic life
Precautionary statements (CLP)	P260 - Do not breathe dust/fume/gas/mist/vapours/spray P273 - Avoid release to the environment P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+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
Other hazards	No additional information available
Classification according to Regulation (EC) No. 1272/2008 [CLP	Acute toxicity (dermal), Category 3 H311 Acute toxicity (inhal.), Category 3 H331 Acute toxicity (oral), Category 3 H301 Specific target organ toxicity — Repeated exposure, Category 1 H372 Serious eye damage/eye irritation, Category 2 H319 Skin corrosion/irritation, Category 2 H315 Sensitisation — Skin, category 1 H317 Specific target organ toxicity — Single exposure, Category 2 H371 Hazardous to the aquatic environment — Acute H40
Hazard Statements	Physical: H227: Combustible liquid. Health: H304: May be fatal if swallowed and enters airways.
Classification according to Directive 67/548/EEC or 1999/45/EC	Carc.Cat.1; 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 1.

4. First Aid Measures

Symptoms/injuries	May cause damage to organs. Causes damage to organs through prolonged or repeated exposure
Symptoms/injuries after inhalation	May cause an allergic skin reaction.
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.
Eye Contact	Flush thoroughly with water. If irritation occurs, get medical assistance.
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

Suitable extinguishing media	dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2)
Unsuitable extinguishing media	Do not use a heavy water stream
Special hazards arising from the substance or mixture	No additional information available
Protection during firefighting	Do not attempt to take action without suitable protective equipment

6. Accidental Release Measures

Emergency procedures	Evacuate unnecessary personnel.
Protective equipmen	Avoid breathing dust/fume/gas/mist/vapours/spray.
Emergency procedures	Stop release.
Environmental precautions	Very toxic to aquatic life
Methods for cleaning up	Clear up rapidly by scoop or vacuum.
Reference to other section	No additional information available

7. Handling and Storage

Precautions for safe handling	Avoid breathing dust/fume/gas/mist/vapours/spray. Do not breathe dust/fume/gas/mist/vapours/spray
Hygiene measure	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	Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture
Specific end use(s)	No additional information available

8. Exposure controls and personal protection

Personal protective equipment	Personal protective equipment
Hand protection	protective gloves
Eye protection	Chemical goggles or safety glasses
Skin and body protection	Wear suitable protective clothing
Respiratory protection	Where exposure through inhalation may occur from use, respiratory protection equipment is recommended
Other information	Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product.



Gloves



Suit

9. Physical and chemical properties

Physical State	Solid
Molecular mass	144.61 g/mol
Colour	white to cream.
Odour	NA
Odor Threshold	No data available
Relative Density (at 15 °C)	N/D
Boiling Point	No data available
Flash Point	No data available

Density (at 15 ºC):	No data available
Evaporation Rate	No data available
pH:	No data available
Flammability (Solid, Gas):	No data available
Flammable Limits (Approximate volume % in air)	No data available
Explosive limits	No data available
Vapour pressure	No data available
Log Pow (n-Octanol/Water Partition Coefficient):	No data available
Vapour Density	No data available
Secific Gravity	No data available
Decomposition Temperature	No data available
Solubility in Water	Freely soluble
Autoignition Temperature	No data available
Solubility in Water	No data available
Kintic viscositNo	No data available
Vapor Pressure	No data available
Molecular Weight	No data available
Oxidizing Properties	No data available
Freezing Point	No data available
Melting Point	250 - 254
Hygroscopic	No data available
Evaporation Rate (n-butyl acetate = 1)	No data available
Viscosity	No data available
Freezing Point	No data available

10. Stability and reactivity

Reactivity	No additional information available
Chemical stability	Stable under normal conditions.
InPossibility 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

Acute toxicity	Dermal: Toxic in contact with skin. Inhalation: Toxic if inhaled. Oral: Toxic if swallowed.
Skin corrosion/irritatio	Causes skin irritation
Serious eye damage/irritation	Causes serious eye irritation.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	May cause damage to organs.
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

Ecology - wate	Very toxic to aquatic life.

Persistence and degradability	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

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

14. Transport information

UN number	UN-No. (ADR) : 2811 UN-No. (IMDG) : 2811 UN-No.(IATA) : 2811 UN-No.(ADN) : 2811 UN-No. (RID) : 2811
UN proper shipping name	Proper Shipping Name (ADR) : TOXIC SOLID, ORGANIC, N.O.S. Proper Shipping Name (IMDG) : TOXIC SOLID, ORGANIC, N.O.S. Proper Shipping Name (IATA) : TOXIC SOLID, ORGANIC, N.O.S. Proper Shipping Name (ADN) : TOXIC SOLID, ORGANIC, N.O.S. Proper Shipping Name (RID) : TOXIC SOLID, ORGANIC, N.O.S. Transport document description (ADR) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS Transport document description (IMDG) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS Transport document description (IATA) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III, ENVIRONMENTALLY HAZARDOUS Transport document description (ADN) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III, ENVIRONMENTALLY HAZARDOUS Transport document description (RID) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III, ENVIRONMENTALLY HAZARDOUS SEA (IMDG): Not Regulated for Sea Transport according to IMDG-Code. Marine Pollutant: No
ADR	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) : III Packing group (IMDG) : III Packing group (IATA) : III Packing group (ADN) : III Packing group (RID) : III
Environmental hazards	Dangerous for the environment : Yes Marine pollutant : Yes Other information : No supplementary information available
Overland transpor	Classification code (ADR) : T2 Special provision (ADR) : 274, 614 Limite uantities (ADR) : 5kg Excepted quantities (ADR) : E1 Packing instructions (ADR) : P002, IBC08, LP02, R001 Special packing provisions (ADR) : B3 Mixed packing provisions (ADR) : MP10 Portable tank and bulk container instructions (ADR) : T1 Portable tank and bulk container special provisions (ADR) : TP33 Tank code (ADR) : SGAH, L4BH Tank special provisions (ADR) : TU15, TE19 Vehicle for tank carriage : AT Transport category (ADR) : 2 Special provisions for carriage - Bulk (ADR) : VC1, VC2, AP7 Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28 Special provisions for carriage - Operation (ADR) : S9 Hazard identification number (Kemler No.) : 6 Tunnel restriction code (ADR) : E EAC code : 2X
Transport by sea	Special provision (IMDG) : 223, 274 Limited quantities (IMDG) : 5 kg Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : P002 IBC packing instructions (IMDG) : IBC08 IBC special provisions (IMDG) : B3 Tank instructions (IMDG) : T1 Tank special provisions (IMDG) : TP33 EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-A Stowage category (IMDG) : A MFAG-No : 154
Air transport	PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y645 PCA limited quantity max net quantity (IATA) : 10kg PCA packing instructions (IATA) : 670 PCA max net quantity (IATA) : 100kg CAO packing instructions (IATA) : 677 CAO max net quantity (IATA) : 200kg Special provision (IATA) : A3, A5 ERG code (IATA) : 6L
Inland waterway transport	Classification code (ADN) : T2 Special provisions (ADN) : 274, 614, 802 Limited quantities (ADN) : 5 kg Excepted quantities (ADN) : E1 Carriage permitted (ADN) : T Equipment required (ADN) : PP, EP Number of blue cones/lights (ADN) : 0
Rail transport	Classification code (RID) : T2 Special provision (RID) : 274, 614 Limited quantities (RID) : 5kg Excepted quantities (RID) : E1 Packing instructions (RID) : P002, IBC08, LP02, R001 Special packing provisions (RID) : B3 Mixed packing provisions (RID) : MP10 Portable tank and bulk container instructions (RID) : T1 Portable tank and bulk container special provisions (RID) : TP33 Tank codes for RID tanks (RID) : SGAH, L4BH Special provisions for RID tanks (RID) : TU15 Transport category (RID) : 2 Special provisions for carriage – Bulk (RID) : VC1, VC2, AP7 Special provisions for carriage – Loading and unloading (RID) : CW13, CW28, CW31 Colis express (express parcels) (RID) : CE11 Hazard identification number (RID) : 60
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory information

EU-Regulations	PHENYL HYDRAZINE HYDROCHLORIDE AR is not on the REACH Candidate List PHENYL HYDRAZINE HYDROCHLORIDE AR is not on the REACH Annex XIV List
Germany	AwSV/VwVwS Annex reference : Water hazard class (WGK) 3, strongly hazardous to water (Classification according to VwVwS, Annex 2; WGK No 883) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
Denmark Recommendations Danish Regulation	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposa

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.