Material Safety Data Sheet

NO DIMETHYL HYDROXYLAMINE HYDROCHLORIDE FOR SYNTHESIS (RXSOL-60-6605-035)

1. Product and Company Identifaction

Product Name	NO DIMETHYL HYDROXYLAMINE HYDROCHLORIDE FOR SYNTHESIS
Part Number	RXSOL-60-6605-035

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	EC number	Weight %
NO DIMETHYL HYDROXYLAMINE HYDROCHLORIDE FOR SYNTHESIS	6638-79-5	229-642-1	100%

3. Hazards Identification

Signal Word	Warning
Hazard Statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
Precautionary statements - response	P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P264 Wash skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face protection. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuerinsing.
Supplemental Hazard Statements	None
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 highe

4. First Aid Measures

General advice	Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air.
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.
Eye Contact	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
Skin Contact	Get medical attention. Wash off immediately with plenty of water for at least 15 minutes
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Do NOT induce vomiting. Get medical attention.

Notes to Physician	No information available
If swallowed	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms and effects, both acute and delaye	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Extinguishing media	No information available
Flammability	1
Flash Point	No information available
Suitable extinguishing media	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Nitrogen oxides (NOx) Hydrogen chloride gas Combustible. Fire may cause evolution of: Nitrogen Oxides, Hydrogen chloride gas Development of hazardous combustion gases or vapours possible in the event of fire
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fireextinguishing water from contaminating surface water or the ground water system.
Hazardous combustion products	NA
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
Protective Equipment	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific Hazards Arising from the Chemical	Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Spillage	NA
Personal Protection	NA
Enviromental Precaution	Do not let product enter drains.
Methods and materials for containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7. Handling and Storage

Precautions for safe handling	For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities Storage conditions	Tightly closed. Dry. Recommended storage temperature see product label.
Handling	Wear personal protective equipment/face protection. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Avoid ingestion and inhalation.
Storage.	Storage class (TRGS 510): 11: Combustible Solids
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

Occupational Exposure limit values	This product does not contain any hazardous materials with occupational exposure limitsestablished by the region specific regulatory bodies.
Biological limit values	No data available
Exposure controls	No data available
Engineerin Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Body Protection	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace Type of protective equipment must be selected Type of protective equipment must be selected according to the concentration and amount of the
Skin protection	This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm
Respiratory protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
Other Protection Measure	Handle in accordance with good industrial hygiene and safety practice.
Contro Of environmental exposure	NA
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice



Gloves



Suit

9. Physical and chemical properties

Physical state	Powder Solid
Colour	White
Odour	NA
Odor Threshold	No information available
pH	NA
Melting Point	NA
Initial boiling point and boiling range	NA
Boiling Point	NA
Flash Point	NA
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	No data available
Vapour Density	No Data Available

Specific Gravity	No data available
Upper/lower flammability or explosive limits	NA
Vapour density	NA
Vapour pressure	NA
Partition coefficient	No data available
Auto-ignition emperature	NA
Explosive properties	None
Solubility	NA
Molecular Weight	NA
Molecular Formula	NA

10. Stability and reactivity

Reactivity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Stability	The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions	Caution! In contact with nitrites, nitrates, nitrous acid possible liberation of nitrosamines! Violent reactions possible with: Strong oxidizing agents
Conditions to avoid	Avoid dust formation. Incompatible products. Excess heat.
Incompatible materials	Strong oxidizing agents
HazardousPolymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

Acute toxicity	Symptoms: Irritations of mucous membranes in the mouth, pharynx, oesophagus and gas trointestinal tract. Symptoms: mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract Dermal: No data available
Skin corrosion/irritation	NA
Serious eye damage/eye irritation	NA
Respiratory or skin sensitization	NA
Serious eye damage/eye irritation	No data available
Rout Of Entry	Inhalation. Ingestion.
Toxicity to Animal	NA
Toxic Effects on Human	NA
Germ cell mutagenicity	NA
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Other Adverse Effects	The toxicological properties have not been fully investigated

12. Ecological information

Persistence and degradability	No data available
Toxicity	TNo data available
Bioaccumulative potential	No data available
Toxicity to fish	No data available

Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation:	No data available
Mobility in soil	No data available
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.
Endocrine disrupting properties	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Assessment	No data available
Other adverse effects	Discharge into the environment must be avoided.

13. Disposal considerations

Disposal methods	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification
Contaminated packaging	NA
Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions

14. Transport information

UN number	NA
UN proper shipping name	No data available
Transport hazard class(es)	No data available
Packaging group	No data available
Environmental hazards	No data available
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations.
Transport in bulk according to IMOinstruments	No data available

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations specific for the product in question	NA
National legislation	NA
DSCL (EEC)	NA
Other regulations	Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

Other Information

Full text of H-Statements referred to under sections 2 and 3. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 Causes skin irritation.

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 we assume 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.