

## 1. Product and Company Identification

www.rxmarine.com

Product Name NN DIMETHYL PARAPHENYLANINEDIAMINE HEMI OXALATE  
Part Number RXSOL-60-6605-019

### 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

Phone +91 22 20871200 - 1400  
Fax +91 22 2087 1500 :::AOH :0091 9821214367  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight %
N,N-Diethyl-p-phenylenediamine oxalate	62637-92-7	263-723-2	95%

## 3. Hazards Identification

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Signal Word	Warning
Hazard Statements	Causes eye irritation ,Harmful if swallowed or in contact with skin
Precautionary statements - response	Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/protective clothing/eye protection/face protection
Supplemental Hazard Statements	None
Other hazards	NA

## 4. First Aid Measures

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General advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention
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	NA
Most important symptoms and effects, both acute and delaye	No information available
Indication of any immediate medical attention and special treatment needed	No data available

## 5. Fire-fighting Measures

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Extinguishing media	No information available
Flammability	1
Flash Point	No information available
Suitable extinguishing media	Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given
Special hazards arising from the substance or mixture	Carbon oxides
Further information	Use water spray to cool unopened containers..
Hazardous combustion products	Nitrogen oxides (NO <sub>x</sub> ). Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
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

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Personal precautions, protective equipment and emergency procedures	Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation.
Spillage	NA
Personal Protection	NA
Environmental Precaution	Should not be released into the environment. See Section 12 for additional Ecological Information.
Methods and materials for containment and cleaning	Sweep up and shovel into suitable containers for disposal

## 7. Handling and Storage

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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.	Keep containers tightly closed in a dry, cool and well-ventilated place. Store under an inert atmosphere. Incompatible Materials. Strong oxidizing agents.

## 8. Exposure controls and personal protection

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Occupational Exposure limit values	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Biological limit values	No data available
Exposure controls	No data available
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166
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
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Skin protection

Respiratory protection

Other Protection Measure

Contro Of environmental exposure

Hygiene Measures

Wear appropriate protective gloves and clothing to prevent skin exposure.

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

Handle in accordance with good industrial hygiene and safety practice.

NA

Handle in accordance with good industrial hygiene and safety practice



Gloves Suit

## 9. Physical and chemical properties

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Physical state	Powder Solid
Colour	Light brown
Odour	Slight
Odor Threshold	No information available
pH	NA
Melting Point	145 - 150 °C / 293 - 302 °F
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	300 °C
Explosive properties	None
Solubility	DMSO (Slightly), Water (Slightly)
Molecular Weight	209.27
Molecular Formula	C10 H16 N2 . 0.5 C2 H2 O4

## 10. Stability and reactivity

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Reactivity

No data available

Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	Avoid dust formation. Incompatible products. Excess heat.
Incompatible materials	Strong oxidizing agents
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

## 11. Toxicological information

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Acute toxicity	NA
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

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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	No data available
Endocrine disrupting properties	No data available
Assessment	No data available
Other adverse effects	No data available

## 13. Disposal considerations

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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	NA

## 14. Transport information

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UN number	No data available
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 IMO instruments	No data available

## 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the NA substance or mixture

Safety, health and environmental regulations specific for the product in NA question

National legislation	NA
DSCL (EEC)	NA
Other regulations	NA
Chemical Safety Assessment	NA

## 16. Other information

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Other Information

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