

1. Product and Company Identification

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Product Name NM Carbomer Ten
Part Number RXSOL-12-6604-946

Company Details:....

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

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

Phone +91 22 20871200 - 1400
Fax +91 22 27612100 ::AOH :0091 9821214367
Email mail@rxmarine.com
Website www.rxmarine.com

2. Composition / Information on ingredients

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Substance information

INCI name Carbomer
Synonyms 2-Propenoic acid, homopolymer
Purity 97%
Impurity Acrylic acid 0.25%, Ethyl Acetate / Cyclohexane 0.45%

3. Hazards Identification

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Classification according to Regulation (EC) No 1272/2008[CLP] This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No1272/2008 on classification, labelling and packaging of substances and mixtures.

Classification according to Directive 67/548/EEC [DSD] This product does not meet the criteria for classification in any hazard class according to Directive67/548/EEC on classification, labelling and packaging of substances.

Additional information No relevant information available.

Label elements No labelling information (such as hazard pictogram, signal word, hazard statement, precautionary statement) available. This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Other hazards No information available

4. First Aid Measures

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Description of first aid measures

General notes In all cases of doubt, or when symptoms persist, seek medical attention.

Following inhalation Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, seek medical advice.

Following skin contact Immediately flush skin with plenty of water for at least 15 minutes while

Following eye contact	removing contaminated clothing and shoes. Seek medical advice if irritation persists.
Following ingestion	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical advice if irritation persists.
Notes for the doctor	Rinse mouth. Get medical aid immediately. Treat symptomatically and supportively.
Most important symptoms and effects, both acute and delayed	Treatment may vary with condition of victim and specifics of incident.
Indication of the immediate medical attention and special treatment needed	No information available. No information available.

5. Fire-fighting Measures www.rxmarine.com

Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

Special hazards arising from the substance or mixture

Powder, alcohol-resistant foam, water spray, carbon dioxide.

For this substance/mixture no limitations of extinguishing agents are given.

Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

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Carbon oxides.

Advice for firefighters

Do not stay in dangerous zone without self-contained breathing apparatus.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing. Prevent fire-fighting water from entering surface water or ground water.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapors, mist. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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.

Reference to other sections

See Section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

7. Handling and Storage

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Precautions for safe handling

Keep material away from heat, sparks, pilot lights, static electricity and open flame. Avoid creating dust. Maintain good housekeeping practices. Avoid drinking, tasting, swallowing or ingesting this product. Avoid inhalation of dust, aerosol, mist, spray, fume, or vapor. Use with appropriate and adequate ventilation. Ground and bond containers when transferring material. Avoid prolonged skin contact. Launder contaminated clothing before reuse. Dispose of packaging or containers in accordance with local, regional, national and international regulations.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place

Recommended storage temperature see product label. Tightly closed.

Specific end use(s)

Recommended storage temperature see product label.

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls and personal protection

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Control parameters

Occupational exposure limit values

The industry-recommended permissible exposure limit for respirable polyacrylate dusts is 0.05 mg/m³

DNEL (Derived No Effect Level) for workers

No DNEL values available

DNEL (Derived No Effect Level) for the general population

No DNEL values available

PNEC (Predicted No Effect Concentration) values

No DNEL values available

Exposure controls

Appropriate engineering controls

The industry-recommended permissible exposure limit for respirable polyacrylate dusts is 0.05 mg/m³

Personal protective equipment

Eye and face protection

Wear safety glasses with side shields. Protect against dust and particulates

Skin protection

Protective suit. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection

For prolonged or repeated contact use protective gloves. Protective gloves complying with EN 374.

Respiratory protection

Use respirator with a High Efficiency Particulate Air (HEPA) filter if the recommended exposure limit is exceeded. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Industrial hygiene

Discharge into the environment must be avoided.

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday.

9. Physical and chemical properties

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Information on basic physical and chemical properties

Appearance

Powder

Colour

White

Odour

Slight acetic

pH

2.5-3.5

Melting point

No data available

Boiling point

No data available

Vapour pressure

No data available

Partition coefficient (n -octanol/water)

No data available

Solubility(ies)

Material will swell in water

Flash point

No data available

Auto-ignition temperature

~ 480 °C

Flammability

No data available

Explosive properties

No data available

Oxidising properties

Not applicable.

Evaporation rate

Non-volatile

Viscosity

No data available

Other information

Loss on Drying: ?2.0%

10. Stability and reactivity

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Reactivity

Stable under recommended storage and handling conditions (see section 7, handling and storage).

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

Avoid dust formation, Incompatible products, Exposure to moist air or water

Incompatible materials

Strong oxidizing agents, strong bases, amines, ammonia.

Hazardous decomposition products

Carbon oxides.

11. Toxicological information

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Information on toxicological effects

Acute toxicity	The LD50 in rats is > 2000 mg/Kg. Based on data from components or similar materials. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Skin corrosion/irritation	Not expected to be a primary skin irritant. Based on data from similar materials. Contact dermatitis may occur in sensitive individuals under extreme and unusual conditions of prolonged and repeated contact, such as high exposure accompanied by elevated temperature and occlusion by clothing. This effect may be the result of the product's hygroscopic properties, abrasion, or pH.
Serious eye damage/eye irritation	Not expected to cause eye irritation. Based on data from similar materials. Particulates may cause mechanical irritation. Solid particles (powder or dust) on the eye may cause pain and irritation.
Respiratory or skin sensitization	Respiratory Sensitization: No data available to indicate product or components may be respiratory sensitizers. Dermal Sensitization: Not expected to cause skin sensitization. Based on data from components or similar materials
CMR effects (Carcinogenicity, Mutagenicity and Toxicity for Reproduction)	Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
STOT-single exposure and repeated exposure	No data available
Additional information	Pre-existing skin conditions may be aggravated by prolonged or repeated exposure. Persons with sensitive airways (e.g., asthmatics) may react to vapors. This material readily absorbs moisture and may become thick and gelatinous upon contact with mucous membranes of the eye, or upon inhalation into the nasal passages.

12. Ecological information

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Toxicity	Freshwater Fish Toxicity: The acute LC50 is 100 - 1000 mg/L based on component data. Freshwater Invertebrates Toxicity: The acute EC50 is 100 - 1000 mg/L based on component data.
Persistence and degradability	At least 25% of the components in this product show limited biodegradation based on OECD301-type test data. At least 25% of the components in this product show limited biodegradation based on OECD302-type test data.
Bioaccumulative potential	Less than 1.0% of the components will bioconcentrate, based on actual data.
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment information is not available as chemical safety assessment not conducted.
Other adverse effects	No relevant information available.

13. Disposal considerations

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Waste treatment Method	
Product Disposal	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport information

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Land transport (ADR/RID/GGVSE)	This product is not regulated as a hazardous material or dangerous goods for transportation.
Sea transport (IMDG-Code/GGVSee)	This product is not regulated as a hazardous material or dangerous goods for transportation.
Air transport (ICAO-TI/IATA-DGR)	This product is not regulated as a hazardous material or dangerous goods for transportation.
Additional information	No relevant information available

15. Regulatory information

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

EU regulation	
Authorisations	No information available
Restrictions on use	No information available
EINECS	All components are not listed in the inventory
DSD (67/548/EEC)	All components are not listed in the inventory
USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	None known.
EU	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
China - IECSC	All components are listed in the inventory.
Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance.

16. Other information

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Other Information	<p>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 we 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.</p>
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