

1. Product and Company Identification

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Product Name Cyclopentasiloxane
Part Number RXSOL-60-6663-050

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Product name	Cas No	Weight
Cyclopentasiloxane	541-02-6	100%

3. Hazards Identification

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Signal Word	Warning
Hazard Statements	Causes skin irritation Causes eye irritation
Precautionary statements	Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves Keep away from heat/sparks/open flames/hot surfaces. No smoking In case of fire: Use CO2, dry chemical, or foam to extinguish. IF IN EYES: Rinse 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. IF ON SKIN: Wash with plenty of water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
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 higher.

4. First Aid Measures

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General advice	National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself
If inhaled	After inhalation fresh air.
Eye Contact	Flush eyes with water for 15 minutes. Get medical attention
Swallowed	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary

Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
Ingestion	No data available
Most important symptoms and effects, both acute and delayed	Causes skin irritation. Mild skin irritation. Causes eye irritation. Mild eye irritation. May affect the liver.
Indication of any immediate medical attention and special treatment needed	First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. Fire-fighting Measures

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Flammability	No data available
Suitable extinguishing media	Dry chemical. Carbon dioxide (CO ₂). Water spray mist or foam.
Unsuitable extinguishing media	High volume water jet. Do not use a solid (straight) water stream as it may scatter and spread fire
Special hazards arising from the substance or mixture	Combustible material. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). When heated to decomposition it emits acrid smoke and irritating fumes
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Hazardous combustion products	Carbon Dioxide, Carbon Monoxide. Silicon oxides
Advice for firefighters	Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out
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	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Remove all sources of ignition. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Spillage	No data available
Personal Protection	No data available
Environmental Precaution	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.
Methods and materials for containment and cleaning	Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion	No data available
Incompatible materials	Oxidizing agents
Hygiene measures	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product.
Advice on safe handling	Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials. Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.
Conditions for safe storage including any incompatibilities	No data available
Storage conditions	Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials.
Storage class	Storage class (TRGS 510): 8B: Non-combustible, corrosive hazardous materials
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
Advice on general occupational hygiene	No data available

8. Exposure controls and personal protection

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Exposure controls	Personal protective equipment
Engineering Control	Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.
Eye/face protection	Goggles
Body Protection	Protective clothing.
Skin protection	Long sleeved clothing Chemical resistant apron Gloves
Respiratory protection	Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent
Other Protection Measure	No data available

9. Physical and chemical properties

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Physical state	Liquid Oily.
Colour	Colorless.
Odour	No data available
Odor Threshold	No data available
pH	No data available
Melting Point	-44 to -38 °C/-47 to -36 °F
Boiling Point	210-211 °C/410-412 °F
Flash Point	73-77 °C/163-169 °F
Evaporation Rate	No data available
Flammability (solid, gas)	Combustible
Explosive limits	No data Available
Upper/lower flammability or explosive limits	Lower Explosion Limit (%): 0.7 vol%

Autoignition temperature	392°C/737.6°F
Decomposition temperature	No data available
Vapour pressure	0.03 kPa at 25 deg. C
Viscosity	No data available
Density	No data available
Relative Density	No data available
Specific Gravity	0.95- 0.96 @ 20 °C
Partition coefficient	Log Kow = 5.2
Explosive properties	No data available
Solubility	Insoluble in water
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	No data available
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Violent reactions possible with: Oxidizing agents Alcohols Alkali metals Ammonia
Conditions to avoid	Heat. Ignition sources. Incompatible materials.
Incompatible materials	Oxidizing agents
Hazardous decomposition products	When heated to decomposition it emits acrid smoke and irritating fumes. Carbonmonoxide. Carbon dioxide. Silicon oxides.

11. Toxicological information

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Acute toxicity	LD50/oral/rat = > 24134 mg/kg Oral LD50 Rat LD50/oral/mouse = No information available LD50/dermal/rabbit = > 16 mL/kg dermal LD50 rabbitVALUE- Acute Tox Oral = > 24134 mg/kg LD50/oral/mouse = Value - Acute Tox Oral = No information available LD50/dermal/rabbit VALUE-Acute Tox Dermal = > 16 ml/kg
Skin corrosion/irritation	Causes skin irritation. Mild skin irritation
Serious eye damage/irritation	Mild eye irritation. May cause temporary redness and discomfort.
Respiratory or skin sensitization	May cause irritation of respiratory tract.
Carcinogenicity	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Additional Information	No data available

12. Ecological information

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Persistence and degradability	No data available
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	No data available
Toxicity to bacteria	No data available
Toxicity to algae	No data available
Bioaccumulation potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available

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

13. Disposal considerations

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Product	Waste must be disposed of in accordance with Federal, State and Local regulation
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal
Waste treatment Method	No data available

14. Transport information

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UN number	ADR/RID:	IMDG:	IATA:
UN proper shipping name	ADR/RID:Not dangerous goods	IMDG:Not dangerous goods	IATA:Not dangerous goods
Transport hazard class(es)	ADR/RID:	IMDG:	IATA:
Packaging group	ADR/RID:-	IMDG:-	IATA:-
Environmental hazards	ADR/RID:No	IMDG:No	IATA:No
Special precautions for user	No data available		
Further information	No data available		

15. Regulatory information

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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.
Other regulations	No data available
Chemical Safety Assessment	A Chemical Safety Assessment was not carried out for this substance.

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 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.
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