

1. Product and Company Identification

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Product Name RXSOL-81-8110-025
Product Type Carbon Black

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Carbon Black Amorphous (>98%)
Chemical formula C
CAS number 1333-86-4

3. Hazards Identification

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Inhalation Temporary discomfort to upper respiratory tract may occur. Symptoms are well above the occupational exposure limit.

Ingestion No evidence of adverse effects from available data.

eye contact High dust concentrations may cause mechanical irritation.

skin contact May cause mechanical irritation, soiling, and skin discoloration.

Sensitization No cases of sensitization in humans have been reported.

Chronic Effects

Potential Environmental Effects No significant environmental hazards are associated with the use of this product in the environment. Carbon black is not soluble in water.

4. First Aid Measures

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Inhalation	Take affected persons out in fresh air. If necessary, take other first aid measures.
Skin	Wash skin with mild soap and water. If symptoms persist, seek medical attention.
Eye	Rinse eyes thoroughly with large volumes of water. Seek medical attention.
Ingestion	Do not induce vomiting. If conscious, give several sips of water. Do not give anything by mouth to an unconscious person.
Ingestion	Do NOT induce vomiting unless directed to do so by a healthcare professional. If an unconscious person, loosen tight clothing such as collars and belts, if symptoms appear.
Note to physicians	Treat symptomatically.

5. Fire-fighting Measures

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Flammable Properties	It may not be obvious that carbon black is burning. Carbon black that has been on fire should be treated as smoldering material is present. Carbon blacks can form an explosive dust-air mixture. Manufactured carbon blacks are not explosive (unless otherwise noted by the supplier on packaging). Properties.
Extinguishing Media	Use foam, carbon dioxide (CO ₂), dry chemical, or water spray, as this may spread burning powder (burning powder).
Protection of Firefighters	Wear full protective fire fighting gear (Bunker gear). Special hazards arising from the chemical (e.g. carbon monoxide (CO), carbon dioxide (CO ₂), and slippery walking surfaces).

6. Accidental Release Measures

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Leak / Spill.	Wear appropriate personal protective equipment. Ventilate area. Prevent material from entering sewers. Flush with water.
Deactivating Materials	Not available

7. Handling and Storage

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Handling Procedures

Use proper equipment for lifting and transporting. Follow proper housekeeping practices. Wash thoroughly after handling to avoid exposure.

Storage Requirements

Store in a cool, dry, well-ventilated place. Keep away from heat and materials. Keep out of the sun.

8. Exposure controls and personal protection

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Protective Equipment

Eyes

Chemical goggles, full-face shield, or a full-face respirator should be worn when handled. Contact lenses should not be worn; they must be removed before use.

Respiratory

Use NIOSH-approved respirator - full facepiece respirator if irritation is present. Use a self-contained breathing apparatus if irritation is severe.

Gloves

Impervious gloves of chemically resistant material should be worn when handling contaminated clothing and dry thoroughly before reuse.

Clothing

Body suits, aprons, and/or coveralls of chemically resistant material should be worn when handling contaminated clothing and dry thoroughly before reuse.

Footwear

Impervious boots of chemically resistant material should be worn when handling.

Engineering Controls

Ventilation Requirements

Mechanical ventilation (dilution or local exhaust) should be provided. Sufficient airflow conditions should be provided. Supply sufficient fresh air to maintain safe working systems.

Other

Emergency shower and eyewash should be in close proximity to the work area.

9. Physical and chemical properties

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Physical State

Solid

Odor and Appearance

White, free flowing powder solid with a strong chlorine odor

Odor Threshold

- 1.4 mg/m based on chlorine

Specific Gravity (Water=1)

Specific Gravity (Water=1)

Vapor Pressure (mm Hg, 20C)

not applicable

Vapor Density (Air=1)

Not available.

Evaporation Rate

Not available.

Boiling Point

not applicable

Freeze/Melting Point

Decomposes at 170-180°C

pH

10.4-10.8 (1% solution)

Water/Oil Distribution Coefficient

Not applicable

Bulk Density

0.8 g/cm³

% Volatiles by Volume

Not available

Solubility in Water

18% at 25°C

Molecular Formula

Ca(OCl)₂

142.98

10. Stability and reactivity

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Stability	Stable in optimum storage conditions. Heat, sunlight, oxidizing agents, reducing agents, combustible materials such as organic materials, acids, alkalis, and other reactive materials.
Incompatibility	Water, acids, alkalis, oxidizing agents, reducing agents, combustible materials such as organic materials, acids, alkalis, and other reactive materials.
Hazardous Products of Decomposition	Water in contact with calcium hypochlorite releases chlorine gas, which is highly toxic and can cause explosion and fire hazard. Toxic or corrosive fumes may be released.
Polymerization	Will not occur

11. Toxicological information

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Irritancy	Causes irritation and burns to eyes and skin
Sensitization	Not available
Chronic/Acute Effects	Skin irritation may occur from repeated or prolonged exposure. Impairment of lung function and permanent lung damage may be aggravated by exposure to this chemical.
Synergistic Materials	Not available
Animal Toxicity Data	LC50(inhalation, rat, 1 hour)= 1300mg/m ³ based on 4h exposure LD50(oral, rat)= 850mg/kg LD50(dermal, rabbit)= > 2000mg/kg
Carcinogenicity	Not considered to be carcinogenic as per IARC, NTP
Reproductive Toxicity	Not reported to show reproductive toxicity.
Teratogenicity	Results in laboratory analysis show it is not a teratogen.
Mutagenicity	Results in laboratory analysis show it is not a mutagen.

12. Ecological information

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Fish Toxicity	LC50(bluegill, 96 hour)= 0.088mg/L LC50(rainbow trout, 96 hour)= 0.16mg/L
Biodegradability	LC50(daphnia magna, 48 hour)= 0.11mg/L Not available

13. Disposal considerationswww.rxmarine.com

Waste Disposal

Dispose in accordance with all federal, provincial, Environmental Protection Act.

14. Transport informationwww.rxmarine.com

N/A

15. Regulatory informationwww.rxmarine.com

N/A

16. Other informationwww.rxmarine.com

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