

## 1. Product and Company Identification

www.rxmarine.com

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 this material 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, provide 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. Do not give an unconscious person. Loosen tight clothing such as a shirt or collar 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 considered smoldering material is present. Carbon blacks can form an explosive dust-air mixture. Manufactured carbon blacks (unless otherwise noted by the supplier on packaging) are not flammable. Properties.

Extinguishing Media

Use foam, carbon dioxide (CO<sub>2</sub>), dry chemical, or water 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<sub>2</sub>), and slippery walking surfaces).

## 6. Accidental Release Measures

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Personal Precautions

Wear appropriate personal protective equipment and avoid breathing dust.

Environmental Precautions

Carbon black poses no significant environmental hazard. Contamination of sewage water, soil, groundwater,

Methods for Containment

Carbon black is not a hazardous substance under the Compensation and Liability Act

## 7. Handling and Storage

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Handling

Avoid dust exposures above the occupational exposure limit. Avoid exposures to below occupational exposure limit. Avoid avoid mechanical irritation and soiling. Dust may cause electrical equipment unless tightly sealed. Ensure electrical equipment (e.g. cutting, etc.) is required the immediate work area must be cleaned.

Storage

Store in dry place away from ignition sources and sources of heat. In confined spaces containing carbon black test for adequate ventilation. potential toxic air contaminants (e.g., CO, SO<sub>2</sub>). For

## 8. Exposure controls and personal protection

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Engineering Controls

Use process enclosures and/or exhaust ventilation to reduce occupational exposure limit.

Respiratory

Approved respirators should be used where airborne dust concentrations exceed exposure limits.

Hand Protection

Wash hands and other exposed skin with mild soap and water. drying. General protective gloves may be used to prevent skin contact.

Eye Protection

Wear safety glasses or goggles.

Skin Protection

Wear general protective clothing to minimize skin contact. Clothing should be washed daily.

General Hygiene Considerations

Emergency eyewash and safety shower should be used immediately with mild soap before eating and drinking.

## 9. Physical and chemical properties

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Appearance		powder or pellet
Color	black	
Odor	odorless	
Odor threshold	not applicable	
Melting point/range	not applicable	
Boiling point/range	Not available.	
Vapor pressure	Not available.	
Evaporation rate	not applicable	
Density: (20°C)	1.7 - 1.9 g/ml	
Bulk density	1.25-40 lb/ft <sup>3</sup> , 20-640 kg/m <sup>3</sup>	
Pellets	200-680 kg/m <sup>3</sup>	
Powder (fluffy)	2-lbs/ft <sup>3</sup> , or 20-380 kg/m <sup>3</sup>	
Solubility (in Water)	Insoluble	
pH value:(ASTM 1512)	>7 [50 g/l water, 68°F (20°C)]	
Partition coefficient (n-octanol/water)	Not available.	
Viscosity	Not available.	
Decomposition temperature	572°F (300°C)	
Flashpoint	not applicable	
Flammability Classification (as defined by OSHA 1910.1200)	not applicable	
Lower	50 g/m <sup>3</sup>	
Lower	375 g/m <sup>3</sup>	
Upper	not determined	
Maximum Absolute Explosion Pressure	10 bar	
Maximum Rate of Pressure Rise	30-100 bar/sec	
Spontaneous Ignition (Autoignition)	>284°F (>140°C)	
BAM Furnace	>932°F (>500°C)	
Godbert-Greenwald Furnace	>600°F (>315°C)	
Minimum Ignition Energy	>10 J	
Burn Rate (VDI 2263, EC 84/449)	>45 seconds (not classifiable as <input type="checkbox"/> Highly Flammable <input type="checkbox"/> , or <input type="checkbox"/> Easily Ignitable <input type="checkbox"/> )	

## 10. Stability and reactivity

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Stability

stable under normal ambient conditions

Conditions to avoid

prevent exposure to high temperatures and open flames

Materials to avoid

strong oxidizers such as chlorates, bromates, and nitrites

Hazardous decomposition products

Carbon monoxide, carbon dioxide, organic products, and other toxic gases if heated above decomposition temperature.

Hazardous polymerization

Will not occur.

## 11. Toxicological information

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Component(s)

Carbon Black

Chemical formula

CAS number

Amorphous (>98%)

C

1333-86-4

## 12. Ecological information

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Mobility

Known or predicted distributio

Bioaccumulation Potential

Not soluble in water. Not expected to migrate

Not soluble in water. Expected to remain on soil s

Bioaccumulation is not expected due to physicoch

## 13. Disposal considerations

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Container/Packaging

Return reusable containers to manufacturer. Paper  
an appropriate landfill in accordance with national

## 14. Transport information

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N/A

## 15. Regulatory information

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N/A

## 16. Other information

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The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

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