

1. Product and Company Identification

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Product Name Petroleum Coke
Product Type RXSOL-81-8117-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name	CAS#	% by Weight
Marathon Petroleum Coke	64741-79-3	100
Petroleum Coke	64741-79-3	100

3. Hazards Identification

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Inhalation:	Excessive dust from powdered material (>5 mg/kg)
Ingestion	Not likely to be toxic by ingestion. <small>Note reported from acute exposure.</small>
Skin contact	
Eye contact:	Dust may be a mechanical irritant.

4. First Aid Measures

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Eye Contact	Flush eyes with large amounts of tepid water for at least 15 minutes. If symptoms or irritation occur, call a physician.
Skin Contact	Wash with soap and large amounts of water. If symptoms or irritation occur, call a physician.
Inhalation	If affected, move person to fresh air. If breathing is difficult, administer oxygen. If not breathing or if no heartbeat, give respiration or cardiopulmonary resuscitation (CPR). Immediately call a physician. If symptoms or irritation occur with call a physician.
Ingestion	Ingestion not likely. If large amounts are swallowed, immediately call a physician.

5. Fire-fighting Measures

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Suitable extinguishing media	For small fires, Class B fire extinguishing media such as CO2, dry chemical, foam (AFFF/ATC) or water spray can be used. Fire fighting should be attempted only by those who are adequately trained and wearing proper protective equipment.
Specific hazards	This product is neither a flammable nor combustible material, but will burn when heated to extremely high temperatures.
Special protective equipment for firefighters	Avoid using straight water streams. Water spray and foam (AFFF/ATC) must be applied carefully to avoid frothing. Keep surrounding area cool with water spray from a distance and prevent further ignition of combustible materials. Keep water spray application. Keep run-off water out of sewers and water sources.
Flash point	>200 F
Autoignition temperature	No data available.
Flammable limits in air - lower (%)	No data available.

NFPA rating:

Health	1
Flammability	1
Instability	1
Other	-

6. Accidental Release Measures

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NA

7. Handling and Storage

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Handling

Comply with all applicable EPA, OSHA, NFPA and appropriate grounding and bonding practices. Store labeled and in a cool well-ventilated area. Do not expose to sources of ignition.

8. Exposure controls and personal protection

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PERSONAL PROTECTIVE EQUIPMENT:

Engineering measures

Respiratory protection

Skin and body protection

Eye protection

Local or general exhaust required in an enclosed area or when there is inadequate ventilation.

Not required under normal conditions and adequate ventilation. Use dust fume respirator if use is

Gloves

Dust goggles if use produces excessive dust/fume

9. Physical and chemical properties

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Appearance

Black Porous Chunks or Powder

Physical state (Solid/Liquid/Gas)

Solid

Substance type (Pure/Mixture)

Mixture

Color

Black

Odor

Slight Hydrocarbon

Molecular weight

Not determined.

pH

Neutral

Boiling point/range (5-95%)

7600 F

Melting point/range

6300 F

Decomposition temperature

Not applicable

Specific gravity

0.8-1.0

Density

No data available

Bulk density

No data available

Vapor density

No data available

Vapor pressure

Negligible

Evaporation rate

No data available

Solubility

Negligible

Solubility in other solvents

No data available

Partition coefficient (n-octanol/water)

No data available

VOC content(%)

No data available

Viscosity

No data available.

10. Stability and reactivity

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Stability

The material is stable in 20°C, 500 mm pressure.

Polymerization

Will not occur

Hazardous decomposition products

Carbon monoxide and carbon dioxide, hydrocarbons

Materials to avoid

None known.

Conditions to avoid

Dust can form flammable mixtures in air.

11. Toxicological information

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Toxicology Information

Petroleum coke did not affect fertility or reproduction for 28 days although some portal-of-entry toxicity. Petroleum coke was found not to be carcinogenic in monkeys. Inflammatory changes similar to those produced by petroleum coke were found in the lungs of monkeys at a low level. Chronic skin painting studies of coke dust in monkeys (and fluid process) was found not to be mutagenic in a Ames mutagenicity assay.

12. Ecological information

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Mobility

Not available

Ecotoxicity

Not available.

Bioaccumulation

Not available.

Persistence/Biodegradation

The 48 and 96 hour LL50s for a water accommodated fraction in both daphnia and fathead minnows, respectively, were >1000 mg/L. Water algae at WAF concentrations of >1000 mg/L were unaffected by the presence of concentration.

13. Disposal considerations

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Cleanup Considerations

This product as produced is not specifically listed under federal regulations (40 CFR 260-271). However, it is not an EPA RCRA hazardous waste. It is the responsibility of the user to determine if the product is hazardous according to federal, state and local regulations.

14. Transport information

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NA

15. Regulatory information

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NA

16. Other information

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