

1. Product and Company Identification

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Product Name Calcined Anthracite Coal

Part Number RXSOL-26-3107-026

Company Details:....

RX MARINE INTERNATIONAL
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Website www.rxmarine.com

2. Composition / Information on ingredients

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Substances

Additional information The product does not contain substances of very high concern (SVHC) ?
0,1 %.

Ingredients

Product identifiers

Substance name

Content

Classification according to Regulation (EC) No.
1272/2008

[CLP]

CAS-No. 68187-59-7

Coal, anthracite, calcined

100 weight-%

EC No. 269-111-1

The substance is classified as not hazardous
according to regulation

(EC) No 1272/2008 [CLP].

3. Hazards Identification

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Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

The substance is classified as not hazardous according to regulation (EC)
No 1272/2008 [CLP].

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

According to EC directives or the corresponding national regulations the
product does not have to be labelled.

Other hazards

Adverse physicochemical effects

This material is combustible and can be ignited by heat, sparks, flames, or
other sources of ignition (e.g. static electricity, pilot lights, or
mechanical/electrical equipment). Warning! Danger of dust explosion.

Adverse human health effects and symptoms

If dust is generated: May cause eye irritation. May cause respiratory
irritation.

4. First Aid Measures

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Description of first aid measures

General information	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.
Following inhalation	Provide fresh air. In case of respiratory tract irritation, consult a physician.
In case of skin contact	Rinse skin with water/shower. In case of skin irritation, consult a physician.
After eye contact	Do not subject to friction. Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.
Following ingestion	If swallowed, rinse mouth with water (only if the person is conscious). Get medical advice/attention if you feel unwell.
Most important symptoms and effects, both acute and delayed	No known symptoms to date. If dust is generated: May cause eye irritation. May cause respiratory irritation.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. Fire-fighting Measures

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Extinguishing media

Suitable extinguishing media	Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide (CO ₂).
Special hazards arising from the substance or mixture	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. 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. 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.

This material is combustible, but will not ignite readily. If dust is generated: Warning! Danger of dust explosion.

Hazardous combustion products:

In case of fire may be liberated: carbon oxides (COx). Possible in traces: sulphur oxides (SOx), Nitrogen oxides (NOx).

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if

there is a fire. No action shall be taken involving any personal risk or without suitable

training. Move containers from fire area if this can be done without risk. Use water

spray to keep fire-exposed containers cool.

Use water spray to keep fire-exposed containers cool.

Additional information

6. Accidental Release Measures

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For non-emergency personnel

Personal precautions

Avoid dust formation. Do not breathe dust.

Protective equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Wear eye/face protection.

For emergency responders

Personal protection equipment

Personal protection equipment: see section 8

Environmental precautions

No special environmental measures are necessary.

Methods and material for containment and cleaning up

For containment

Measures to prevent aerosol and dust generation: Dust suppressant. Do not use a dry brush as dust clouds or static can be created.

For cleaning up

Collect spillage. Suitable material for taking up: Water (with cleaning agent)

Other information

Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

7. Handling and Storage

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Protective measures

Advices on safe handling

Avoid dust formation. Do not breathe dust. Wear personal protection equipment (refer to section 8).

Recommended storage temperature see product label. Tightly closed.

Fire prevent measures	Recommended storage temperature see product label. Take precautionary measures against static discharges. Remove all sources of ignition.
Measures to prevent aerosol and dust generation	Dust should be exhausted directly at the point of origin. Use the following filter types for cleaning waste gases: High efficiency particulate air filter (HEPA filter).
Advices on general occupational hygiene	When using do not eat, drink or smoke.
Conditions for safe storage, including any incompatibilities	Store dry. Keep container tightly closed.
Technical measures and storage conditions	Keep away from food, drink and animal feedingstuffs.
Hints on storage assembly	
Specific end use(s)	Raw material for electrode paste, ramming paste, carburizer.
Recommendation	Observe technical data sheet.

8. Exposure controls and personal protection

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Control parameters

Ingredients with workplace control parameters

Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet,

supplied by us and for the designated use. When dissolving in or mixing with other

substances and under conditions deviating from those stated in EN374 please

contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell,

Internet: www.kcl.de).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

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substances and under conditions deviating from those stated in EN374 please

contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell,

Internet: www.kcl.de).

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

Required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following

standards: DIN EN 143, DIN 14387 and other accompanying standards relating to

the used respiratory protection system.

Recommended Filter type: Filter type P1

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory

protective devices are carried out according to the instructions of the producer.

These measures have to be properly documented.

Do not let product enter drains..

Respiratory protection

Control of environmental exposure

9. Physical and chemical properties

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Information on basic physical and chemical properties

Physical state	Solid, granulate
Colour	Black
Odor	Odourless
Odor Threshold	Not applicable
pH	Not applicable
Melting point/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Flash point	> 700 °C
Autoignition temperature	Not applicable
Decomposition temperature	Not applicable

materials. Extremely flammable in the presence of the following materials

or conditions: oxidizing

materials.

Not applicable

Insoluble

Not applicable

Not applicable

1.79 g/cm³

Not applicable

Viscosity

Water solubility

Partition coefficient: n-octanol/water

Vapor pressure

Density

Relative density

10. Stability and reactivity

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Reactivity

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Conditions to avoid

Generation/formation of dust: Warning! Danger of dust explosion.

Incompatible materials

Protect from moisture

Hazardous decomposition products

Oxidising agent, Acids, alkali (lye), Water

Further information

In case of fire may be liberated: carbon oxides (COx). Possible in traces: sulphur oxides (SOx), Nitrogen oxides (NOx).

No data available.

11. Toxicological information

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Information on toxicological effects

Acute oral toxicity

Based on available data, the classification criteria are not met.

Acute dermal toxicity

Based on available data, the classification criteria are not met.

Acute inhalation toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

May cause eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information

Based on available data, the classification criteria are not met.

12. Ecological information

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Persistence and degradability

No data available

Toxicity to fish

Static test LC50 - Oncorhynchus mykiss (rainbow trout) - 75 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 - Daphnia magna (Water flea) - 42,81 mg/l - 48 h (OECD Test Guideline 202) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid

Toxicity	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 1.520 mg/l - 96 h
Toxicity to bacteria	EC10 - Bacteria - 14 mg/l - 72 h Remarks: (Lit.) EC5 - E.coli - 15.000 mg/l Remarks: (Lit.) (maximum permissible toxic concentration)
Toxicity to algae	Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 74,35 mg/l - 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid
Products Biodegradation	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No data available
Results of PBT and vPvB assessment	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.
Endocrine disrupting properties	No data available
Other adverse effects	No data available .

13. Disposal considerations

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Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

14. Transport information

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UN number	-
UN proper shipping name	Not restricted
Transport hazard class(es)	No data available.
Packaging group	No data available.
Environmental hazards	No data available.
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	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

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,
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