

# Material Safety Data Sheet

Potassium Lignite (RXSOL-81-8131-025)



## 1. Product and Company Identification

Product Name Potassium Lignite  
Product Type RXSOL-81-8131-025

### Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / information on ingredients

| Name                      | CAS#       | % by Weight |
|---------------------------|------------|-------------|
| HUMIC ACIDS, SODIUM SALTS | 68131-04-4 |             |

## 3. Hazards Identification

|                          |                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency overview       | Harmful by inhalation, in contact with skin and if swallowed.                                                                                     |
| Potential health effects |                                                                                                                                                   |
| Routes of exposure       | Inhalation. Skin contact. Ingestion.                                                                                                              |
| Eyes                     | Dust or powder may irritate eye tissue. Symptoms include itching, burning, redness and tearing.                                                   |
| Skin                     | This product may cause irritation to the skin. Prolonged or repeated skin contact may result in redness, burning sensation or dermatitis.         |
| Inhalation               | Inhalation of dusts may cause respiratory irritation. For additional information on inhalation hazards, see Section 11 of this safety data sheet. |
| Ingestion                | Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.                                  |

## 4. First Aid Measures

|              |                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | Immediately flush eyes with plenty of water for at least 20 minutes. If irritation persists get medical attention. |
| Skin Contact | Wash off immediately with plenty of water. Get medical attention if irritation develops or persists.               |

|                    |                                                                                                                                                                                                        |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes to Physician | Treat symptomatically and supportively.                                                                                                                                                                |
| Inhalation         | If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.                                                                    |
| Ingestion          | Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If ingestion of a large amount does occur, seek medical attention. |
| General advice     | If you feel unwell, seek medical advice (show the label where possible).                                                                                                                               |

## 5. Fire-fighting Measures

|                              |                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------|
| Flammable properties         | None known. Dusts at sufficient concentrations can form explosive mixtures with air.                           |
| <b>Extinguishing media</b>   |                                                                                                                |
| Suitable extinguishing media | Dry chemical, CO <sub>2</sub> , water spray or regular foam. Use any media suitable for the surrounding fires. |

## 6. Accidental Release Measures

### Personal precautions:

Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

### Methods for containment:

Stop leak if you can do so without risk. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

### Methods for cleaning up:

Avoid the generation of dusts during clean-up. Sweep up or gather material and place in appropriate container for disposal.

## 7. Handling and Storage

Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. In case of Handling insufficient ventilation, wear suitable respiratory equipment. Avoid prolonged or repeated skin contact with this material. Wash hands after handling and before eating.

Storage Keep in a dry, cool and well-ventilated place. Guard against dust accumulation of this material. Keep out of the reach of children.

## 8. Exposure controls and personal protection

|                                |                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Controls           | If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn. |
| Eye I face protection          | Wear dust goggles. Avoid contact with eyes.                                                                                                                                                                                                                                                                                               |
| Skin protection                | Normal work clothing (long sleeved shirts and long pants) is recommended.                                                                                                                                                                                                                                                                 |
| Respiratory protection         | Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.                                                                                                                                                                                                                             |
| General hygiene considerations | Eye wash fountain and emergency showers are recommended. Use good industrial hygiene practices in handling this material. Keep away from food and drink.                                                                                                                                                                                  |

## 9. Physical and chemical properties

|                                                |                      |
|------------------------------------------------|----------------------|
| Color                                          | Black. or Brown.     |
| Form                                           | Granular. or Powder. |
| Odor threshold                                 | Not available        |
| Physical state pH                              | Solid                |
| Melting point                                  | 6 - 8                |
| Freezing point                                 | Not available        |
| Flash point                                    | Not available        |
| Evaporation rate                               | Not available        |
| Flammability limits in air, lower, % by volume | Not available        |
| Flammability limits in air, upper, % by volume | Not available        |
| Vapor pressure Vapor                           | Not available        |
| Vapor density                                  | Not available        |
| Specific gravity                               | Not available        |
| Solubility (H2O)                               | Not available        |
| Octanol/H2O coeff                              | Not available        |

## 10. Stability and reactivity

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Chemical Stability               | Stable                                                                                                                             |
| Conditions to Avoid              | None known.                                                                                                                        |
| Incompatible materials           | Incompatible with strong acids and oxidizing agents.                                                                               |
| Hazardous decomposition products | Upon decomposition, this product emits oxides of sulfur, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

## 11. Toxicological information

|                          |                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency overview       | Harmful by inhalation, in contact with skin and if swallowed.                                                                                     |
| Potential health effects |                                                                                                                                                   |
| Routes of exposure       | Inhalation. Skin contact. Ingestion.                                                                                                              |
| Eyes                     | Dust or powder may irritate eye tissue. Symptoms include itching, burning, redness and tearing.                                                   |
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| Ingestion                | Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.                                  |

## 12. Ecological information

### Ecotoxicity:

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

### Environmental effects:

No data available for this product. Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.

## 13. Disposal considerations

Disposal instructions:  
Dispose in accordance with all applicable regulations.

## 14. Transport information

NA

## 15. Regulatory information

NA

## 16. Other information

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