

1. Product and Company Identification

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Product Name SODIUM METHOXIDE (POWDER)
Part Number RXSOL-19-1620-025

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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| Chemical Name | CAS | EC number | Weight | Formula |
|--|----------------------------------|-----------|---------------------------|---------|
| Sodium methoxide | 124-41-4 | 204-699-5 | 350 °C at ca.1.013,25 hPa | |
| Boiling Point | > 350 °C at ca.1.013,25 hPa | | | |
| Flash Point | 33 °C - closed cup | | | |
| Evaporation Rate | Not Applicable | | | |
| Flammability (solid, gas) | No data available | | | |
| Explosive limits | No Data Available | | | |
| Upper/lower flammability or explosive limits | 36 %(V) / 7,3 %(V) | | | |
| Autoignition temperature | 25 - 50 °C at 1.013 hPa | | | |
| Decomposition temperature | > 280 °C | | | |
| Vapour pressure | 67 hPa at 20 °C 130 hPa at 25 °C | | | |
| Density | 0,970 g/cm ³ | | | |
| Relative Vapour Density | 1,87 - (Air = 1.0) | | | |
| Freezing point | No data available | | | |
| Specific Gravity | No data available | | | |
| Partition coefficient | No data available | | | |
| Explosive properties | No data available | | | |
| Solubility | No data available | | | |
| Ignition temperature | No information available. | | | |
| Particle characteristics | No data available | | | |

10. Stability and reactivity

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| Reactivity | Self-heating; may catch fire. The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed. Reacts violently with water. |
| Stability | Sensitive to moisture |
| Possibility of hazardous reactions | Can decompose violently in contact with: Water Risk of ignition or formation of inflammable gases or vapours with: Aluminum Zinc Acids |

Conditions to avoid
Incompatible materials
Hazardous Polymerization

Exothermic reaction with: Oxidizing agents Risk of explosion with:
Methanol with Chloroform
Moisture.
No data available
In the event of fire: see section 5

11. Toxicological information

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| Acute toxicity | LD50 Oral - Rat - male and female - 1.687 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rat - male and female - > 2.000 mg/kg Remarks: (ECHA) |
| Skin corrosion/irritation | Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404) |
| Serious eye damage/eye irritation | Eyes - Rabbit Result: Corrosive to eyes - 24 h Remarks: (ECHA) Remarks: Causes serious eye damage. |
| Respiratory or skin sensitization | Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406) |
| Toxic Effects on Human | May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer). |
| Carcinogenicity | No data available |
| Germ cell mutagenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Special Remarks on other Toxic Effects on Humans | Acute Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eyes: Causes eye irritation. Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Inhalation: Causes respiratory tract irritation. May cause chemical pneumonitis and pulmonary edema, inflammation, edema of bronchi and larynx. Chronic Potential Health Effects: Repeated or prolonged skin exposure may cause allergic reactions in sensitive individuals. Repeated or prolonged exposure by inhalation may affect respiration and metabolism. |
| Additional Information | RTECS: AF3675000 Gastrointestinal disturbance To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. After uptake of large quantities: muscular symptoms agitation Convulsions Headache Tremors Nausea psychoses |
| Endocrine disrupting properties | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |

12. Ecological information

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| Persistence and degradability | Biodegradability aerobic - Exposure time 20 d Result: 95 % - Readily biodegradable. Remarks: Methano |
| Toxicity to fish | Flow-through test LC50 - Lepomis macrochirus (Bluegill) - 15.400 mg/l - 96 h (US-EPA) Remarks: Methanol |
| Toxicity to daphnia and other aquatic invertebrates | Static test EC50 - Daphnia magna (Water flea) - > 10.000 mg/l - 48 h (DIN 38412) Remarks: Methanol EC5 - E.sulcatum - > 10.000 mg/l - 72 h Remarks: (Lit.) |
| Toxicity to algae | Static test ErC50 - Pseudokirchneriella subcapitata - ca. 22.000 mg/l - 96 |

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| Products Biodegradation | h (OECD Test Guideline 201) Remarks: Methanol The methods for determining the biological degradability are not applicable to inorganic substances. |
| Mobility in soil | No Information 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 | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| Other adverse effects | No data available |

13. Disposal considerations

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| Disposal methods | The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems. |
| Contaminated packaging | Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials. |
| 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 | ADR/RID: 1431 IMDG:1431 IATA: 1431 |
| UN proper shipping name | ADR/RID: Sodium methylate IMDG: Sodium methylate IATA:Sodium methylate |
| Transport hazard class(es) | ADR/RID: 4.2 (8) IMDG: 4.2 (8) IATA: 4.2 (8) |
| Packaging group | ADR/RID: II IMDG: II IATA: II |
| Environmental hazards | ADR/RID: No IMDG: No IATA: No |
| Special precautions for user | Tunnel restriction code : (C/E) |
| Further information | Not classified as dangerous in the meaning of transport regulations. |
| Transport in bulk according to IMO instruments | No data available |

15. Regulatory information

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| Inventory status | Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes S24/25 Avoid contact with skin and eyes S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65. |
| 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 |
| Safety, health and environmental regulations specific for the product in question | European Inventory of Existing Commercial Chemical Substances (EINECS) -Listed.EC Inventory Listed. United States Toxic Substances Control Act (TSCA) Inventory- Listed. China Catalog of Hazardous chemicals 2015 Not- Listed. New Zealand Inventory of Chemicals (NZIoC)Listed. PICCS -Listed. Vietnam National Chemical Inventory |

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| National legislation | -Listed. IECSC Listed. Korea Existing Chemicals List (KECL) -Listed. Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : OTHER HAZARDS |
| 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 | A Chemical Safety Assessment has been carried out for this substance. |

16. Other information

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Other Information

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