

## 1. Product and Company Identification

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Product Name AEROSIL 200 RX  
Part No RXSOL-81-8119-010

### Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
VASHI ,NEW BOMBAY 400703 INDIA

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## 2. Composition / Information on ingredients

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| Camical Name | CAS No.     | EC number | weight % |
|--------------|-------------|-----------|----------|
| Aerosil 200  | Aerosil 200 | 234-394-2 | 100      |

Other information A new CAS , 112945-52-5, has been assigned to amorphous, fumed silica to distinguish it from crystalline silica. According to the EPA, this product meets TSCA requirements and is listed on the TSCA inventory as silica with CAS 7631-86-9

## 3. Hazards Identification

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Signal word None

Label elements Statutory basis/Remarks - Classification according to Regulation 29CFR 1910.1200 Not a hazardous substance or mixture.

Other hazards Silicon dioxide, chemically preparedNot a PBT, vPvB substance as per the criteria of the REACH Regulation.

## 4. First Aid Measures

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Inhalation : In case product dust is released: Possible discomfort: cough, sneezing  
Move victims into fresh air.

Skin contact Wash off with soap and plenty of water.

Eye contact contaminated clothing. Immediately call a POISON CENTER or doctor  
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention

|                                                                            |                                                      |
|----------------------------------------------------------------------------|------------------------------------------------------|
| Most important symptoms and effects, both acute and delayed                | None known.                                          |
| Indication of any immediate medical attention and special treatment needed | No hazards which require special first aid measures. |

## 5. Fire-fighting Measures

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|                                                       |                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extinguishing media                                   | <p>Suitable extinguishing media : Water spray, foam, CO2, dry powder., Adapt fire-extinguishing measures to</p> <p>Unsuitable extinguishing media : Do not use full-force water jet in order to avoid dispersal and spread of the fire.</p> <p>Surrounding fires : Use water spray or fog for cooling exposed containers.</p> |
| Special hazards arising from the substance or mixture | None known.                                                                                                                                                                                                                                                                                                                   |
| Advice for fire-fighters                              | As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear..                                                                                                                                                                                     |

## 6. Accidental Release Measures

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|                                                                     |                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Use personal protective equipment.                                                                                                                                                                                                        |
| For emergency responders                                            | Equip cleanup crew with proper protection Ventilate area.                                                                                                                                                                                 |
| For non-emergency personnel                                         | Evacuate unnecessary personnel.                                                                                                                                                                                                           |
| Environmental precautions                                           | Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems. |
| Methods and material for containment and cleaning up                | Sweep up or vacuum up spillage and collect in suitable container for disposal.                                                                                                                                                            |
| Reference to other sections                                         | See section 8. Exposure controls/personal protection                                                                                                                                                                                      |

## 7. Handling and Storage

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|                               |                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | Equip cleanup crew with proper protection Ventilate area.                                                                                                                   |
| Storage                       | Keep containers tightly closed in a dry, cool place                                                                                                                         |
| Handling                      | <p>Handle empty containers with care because residual vapours are flammable.</p> <p>Wash thoroughly after handling. Avoid contact during pregnancy or while nursing. Do</p> |

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                 | not breathe dust, fume, gas, mist, vapours, spray. Take precautionary measures against                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Technical protective measures                   | static discharge. Use only outdoors or in a well-ventilated area.<br>Provide good ventilation in process area to prevent<br><br>formation of vapour. Proper grounding procedures to avoid static electricity should be<br><br>followed. Use only non-sparking tools. Use explosion-proof electrical, ventilating,<br><br>lighting, ,equipment.<br><br>Special precautions : No naked lights. No smoking.<br>Take precautionary measures against static discharges.<br>Take precautionary measures against static discharges. |
| Advice on protection against fire and explosion |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Advice on protection against fire and explosion |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 8. Exposure controls and personal protection

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|                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control parameters                                                                                                                                                                | Time Weighted Average                                                                                                                                                                                                                                                                                           |
| 20millions of particles per cubic foot of air                                                                                                                                     | (TWA):(Z3)                                                                                                                                                                                                                                                                                                      |
| 0.8 mg/m3                                                                                                                                                                         | (TWA):(Z3)                                                                                                                                                                                                                                                                                                      |
| The exposure limit is calculated from the equation, $80/(\%SiO_2)$ , using a value of 100% SiO <sub>2</sub> . Lower values of % SiO <sub>2</sub> will give higher exposure limits |                                                                                                                                                                                                                                                                                                                 |
| Respiratory protection                                                                                                                                                            | A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators. |
| Hand protection                                                                                                                                                                   | Use impermeable gloves                                                                                                                                                                                                                                                                                          |
| Eye protection                                                                                                                                                                    | Wear safety glasses with side shields. In case dusts are formed, wear close fitting protective goggles                                                                                                                                                                                                          |
| Skin and body protection                                                                                                                                                          | A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.                         |
| Hygiene measures                                                                                                                                                                  | When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatty soaps and skin cream for skin care. Wash contaminated clothing before re-use.                                                                                     |
| Protective measures                                                                                                                                                               | Handle in accordance with good industrial hygiene and safety practice. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If the workplace threshold limit value is exceeded and/or the substance is released, use appropriate respiratory protection      |

## 9. Physical and chemical properties

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|                                      |                                                                                                                                                       |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical state at 20 °C              | Solid                                                                                                                                                 |
| Colour                               | White                                                                                                                                                 |
| Odour                                | Odorless                                                                                                                                              |
| Form                                 | Powder                                                                                                                                                |
| Odour                                | Odorless                                                                                                                                              |
| Odour threshold                      | Not applicable                                                                                                                                        |
| pH value                             | 3.7 - 4.5 (40 g / l) (20 °C).                                                                                                                         |
| Melting point [°C]                   | Ca. 1700 °C                                                                                                                                           |
| Critical temperature                 | N/A                                                                                                                                                   |
| Boiling point/range                  | Not determined                                                                                                                                        |
| Flash point                          | Not applicable                                                                                                                                        |
| Evaporation rate                     | Not applicable                                                                                                                                        |
| Flammability (solid, gas)            | Not applicable                                                                                                                                        |
| Lower explosion limit                | Not applicable                                                                                                                                        |
| Upper explosion limit                | Not applicable                                                                                                                                        |
| Vapour pressure                      | Not applicable                                                                                                                                        |
| Vapour density                       | Not applicable                                                                                                                                        |
| Density                              | ca. 2.2 g/cm <sup>3</sup> (20 °C)                                                                                                                     |
| Water solubility                     | > 1 mg/l                                                                                                                                              |
| Partition coefficient: octanol/water | Not applicable                                                                                                                                        |
| Autoignition temperature             | Not applicable                                                                                                                                        |
| Thermal decomposition                | > 2000 °C                                                                                                                                             |
| Viscosity, dynamic                   | Not applicable                                                                                                                                        |
| Other information                    | Explosiveness Not to be expected in view of the structure Minimum ignition energy not applicable Tapped density ca. 50 g / l Method: DIN / ISO 787/11 |

## 10. Stability and reactivity

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|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| Reactivity                       | No dangerous reaction known under conditions of normal use.                                    |
| Chemical stability               | Stable under recommended storage conditions.                                                   |
| Incompatible materials           | None known.                                                                                    |
| Hazardous decomposition products | None known. Stable under normal conditions. Product will not undergo hazardous polymerization. |

## 11. Toxicological information

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|                                    |                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Acute oral toxicity                | LD50 Rat: > 3300 mg/kg No deaths occurred. LD50 Rat: > 5000 mg/kg                                                             |
| Acute inhalation toxicity          | LC0 Rat: 0.139 mg/l / 4 h Method: analogous OECD method (maximum concentration attainable in experiments) No deaths occurred. |
| Acute dermal toxicity              | LD50 Rabbit: > 5000 mg/kg comparable product                                                                                  |
| Skin irritation                    | Rabbit not irritating Method: analogous OECD method                                                                           |
| Eye irritation                     | Rabbit not irritating Method: analogous OECD method                                                                           |
| Sensitization                      | Not known                                                                                                                     |
| Repeated dose toxicity             | Oral No negative effects. Inhalation No irreversible changes and no indication of silicosis.                                  |
| Assessment of STOT single exposure | No evidence for hazardous properties                                                                                          |
| Assessment of STOT repeat exposure | No evidence for hazardous properties                                                                                          |
| Carcinogenicity                    | No negative effects                                                                                                           |
| Carcinogenicity assessment         | Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA                                                       |
| Toxicity to reproduction           | No negative effects.                                                                                                          |
| Human experience                   | Silicosis or other product specific illnesses of the respiratory tract have not been reported.                                |

## 12. Ecological information

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|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Toxicity information        | Not established                                                      |
| Persistence - degradability | Biodegradable.                                                       |
| Bioaccumulative potential   | Bioaccumulation Not to be expected.                                  |
| Mobility in soil            | No remarkable mobility in soil is to be expected.                    |
| Other adverse effects       | The classification criteria are not met based on the available data. |

## 13. Disposal considerations

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|                         |                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------|
| Waste treatment methods | Waste must be disposed of in accordance with federal, state, provincial and local regulations.                |
| Uncleaned packaging     | Packaging material should be recycled or disposed of in accordance with federal, state and local regulations. |
| Special precautions     | Handle empty containers with care because residual vapours are flammable.                                     |

## 14. Transport information

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|           |    |
|-----------|----|
| UN number | -- |
|-----------|----|

|                                          |     |
|------------------------------------------|-----|
| UN proper shipping name                  | --  |
| Transport hazard class(es)               | --  |
| Packing group                            | --  |
| Environmental hazards (Marine pollutant) | --  |
| Special precautions for user             | Yes |

## 15. Regulatory information

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|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OSHA                                             | If listed below, chemical specific standards apply to the product or components:None listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CERCLA Reportable Quantities                     | If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SARA Title III Section 311/312 Hazard Categories | The product meets the criteria only for the listed hazard classes:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SARA Title III Section 313 Reportable Substances | If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Substance or mixture                             | Safety, health and environmental : Ensure all national/local regulations are observed.<br><br>regulations/legislation specific for the substance or mixture<br><br>REACH Restrictions - Annex XVII : The components of this product are not subject to<br><br>restrictions.<br><br>The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in section 2 and 15 of this MSDS.<br><br>A warning under the California Drinking Water Act is required only if listed below:<br><br>Health : 1<br><br>Flammability : 0<br><br>Physical Hazard : 0<br><br>Health : 1<br><br>Flammability : 0<br><br>Reactivity : 0<br><br>Chemical Safety Assessment : It has not been carried out. |
| State Regulations                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| California Proposition 65                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HMIS Ratings                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NFPA Ratings                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Chemical Safety Assessment                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## 16. Other information

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|-------------------|---------------------------------------------------------------------|
| Other Information | The information above is believed to be accurate and represents the |
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