### 1. Product and Company Identifaction

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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

Branch: Mumbai, Kandla, Chennai, Vizag, Kolkata, UAE, Oman, Kenya.

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 Email
 mail@rxmarine.com

 Website
 www.rxmarine.com

## 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

Eye contact

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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.

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

ation

attention

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment No hazards which require special first aid measures. needed

#### 5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media: Water spray, foam, CO2, dry powder., Adapt fire-extinguishing measures to

Unsuitable extinguishing media: Do not use full-force water jet in order to avoid dispersal and spread of the fire.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Advice for fire-fighters

None known.

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

For emergency responders

For non-emergency personnel

Environmental precautions

Methods and material for containment and cleaning up

Reference to other sections

Use personal protective equipment.

Equip cleanup crew with proper protection Ventilate area.

Evacuate unnecessary personnel.

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.

Sweep up or vacuum up spillage and collect in suitable container for

disposal.

See section 8. Exposure controls/personal protection

# 7. Handling and Storage

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Precautions for safe handling

Storage

Handling

Equip cleanup crew with proper protection Ventilate area.

Keep containers tightly closed in a dry, cool place

Handle empty containers with care because residual vapours are flammable.

Wash thoroughly after handling. Avoid contact during pregnancy or while nursing. Do

not breathe dust, fume, gas, mist, vapours, spray. Take precautionary

measures against

static discharge. Use only outdoors or in a well-ventilated area.

Provide good ventilation in process area to prevent

formation of vapour. Proper grounding procedures to avoid static

electricity should be

followed. Use only non-sparking tools. Use explosion-proof electrical,

ventilating,

lighting, ,equipment.

Special precautions: No naked lights. No smoking. Take precautionary measures against static discharges. Take precautionary measures against static discharges.

Advice on protection against fire and explosion Advice on protection against fire and explosion

Technical protective measures

## 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/(%SiO2), using a value of 100% SiO2. Lower values of % SiO2 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

A safety shower and eye wash fountain should be readily available. To Skin and body protection

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 fatted 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  $3.7 - 4.5 (40 \text{ g/l}) (20 ^{\circ}\text{C}).$ 

Melting point [°C Ca. 1700 °C Critical temperature N/A

Boiling point/range Not determined Flash point Not applicable Not applicable Evaporation rate Flammability (solid, gas) Not applicable Lower explosion limit Not applicable Upper explosion limit Not applicable Not applicable Vapour pressure Vapour density Not applicable Density ca. 2.2 g/cm3 (20 °C)

Water solubility > 1 mg/l
Partition coefficient: noctanol/wate 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 / 1 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

Assessment of STOT repeat exposure

No evidence for hazardous properties

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.

regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII: The components of this product are

not subject to

restrictions.

State Regulations 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.

California Proposition 65 A warning under the California Drinking Water Act is required only if

listed below:

HMIS Ratings Health: 1

Flammability: 0

Physical Hazard: 0

NFPA Ratings Health: 1

Flammability: 0

Reactivity: 0

Chemical Safety Assessment : It has not been 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, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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