## 1. Product and Company Identifaction

www.rxmarine.com

Product Name Polymethacrylate PMA
Part No RXSOL-17-1363-220

Company Details:

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

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

Phone +91 22 20871200 - 1400

Fax +91 22 2087 1500 :::AOH :0091 9821214367

 Email
 mail@rxmarine.com

 Website
 www.rxmarine.com/

## 2. Composition / Information on ingredients

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Chemical Name Cas No EC.NO Weight Formula
Poly(methacrylic acidmethyl 9011-14-7 931-909-9 0.3 20.4% (C5H8O2)n

ester) PMMA

#### 3. Hazards Identification

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Signal word None

Classification according to Regulation Not a hazardous substance or mixture according to Regulation (EC) No.

1272/2008

Label elements Not a hazardous substance or mixture according to Regulation (EC) No.

1272/2008

Other hazards 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.

#### 4. First Aid Measures

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General advice Show this material safety data sheet to the doctor in attendance.

If inhaled If breathed in, move person into fresh air. If not breathing, give artificial

respiration.

In case of skin contact Wash off with soap and plenty of water

In case of eye contact Flush eyes with water as a precaution

If swallowed Never give anything by mouth to an unconscious person. Rinse mouth

with water

Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the

Indication of any immediate medical attention and special treatment No data available needed

## 5. Fire-fighting Measures

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Suitable extinguishing media Use water spray, alcohol-resistant foam, dry

chemical or carbon diox

Extinguishing media

Unsuitable extinguishing media For this substance/mixture no limitations of extinguishing agents are

given.

Special hazards arising from the substance or mixture

Advice for firefighters Further information Carbon oxides
Carbon oxides

No data availabl

#### 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Environmental precautions

Methods and materials for containment and cleaning up

Reference to other sections

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal

protection see section

No special environmental precautions required.

Sweep up and shovel. Keep in suitable, closed containers for disposal..

For disposal see section 13.

## 7. Handling and Storage

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Precautions for safe handling Provide appropriate exhaust ventilation at places where dust is

formed.Normal measures for preventive fire protection. For precautions

see section 2.2

Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are

stipulated

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-

ventilated place. Storage class (TRGS 510): Combustible Solid

# 8. Exposure controls and personal protection

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Appropriate engineering controls

Eye/face protection

Skin protection

General industrial hygiene practice

Use equipment for eye protection tested and approved under appropriate

government standards such as NIOSH (US) or EN 166(EU

Handle with gloves. Gloves must be inspected prior to use. Use proper

glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash

and dry hands

Body Protection Choose body protection in relation to its type, to the concentration and

amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific

workplace

Respiratory protection Choose body protection in relation to its type, to the concentration and

amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific

workplace

Control of environmental exposure No special environmental precautions required

## 9. Physical and chemical properties

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Form Powder

Color White

Odor Odorless

Melting point/freezing point No data availa

Initial boiling point and boiling range No data available

Flammability (solid, gas) No data available

Upper/lower flammability or explosive limits No data available

Flash point > 250.00 °C - closed cup

Evaporation ra

No data available

Autoignition temperature

No data available

Decomposition temperature

No data available

Water solubility Insoluble

pH No data available

Partition coefficient: n-octanol/water Log Pow: 3,2 at 22 °C - Bioaccumulation is not expected.

Vapor pressureNo data availableRelative density1.200 g/cm3DensityNo data availableExplosive propertiesNo data available

Auto-ignition temperature 304 °C

Oxidizing properties No data availabl

## 10. Stability and reactivity

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Reactivity No data available

Chemical stability

Possibility of hazardous reactions

Conditions to avoid

Incompatible materials

Hazardous decomposition products

Stable under recommended storage conditions.

no information available

no information available

Strong oxidizing agents, Strong acids

Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5

#### 11. Toxicological information

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Acute toxicity

Skin corrosion/irritation

Serious eye damage/eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Aspiration hazard

Reproductive toxici

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposur

Endocrine disrupting properties

Repeated dose toxicity

Aspiration hazard

Additional Information

No data available2-Propenoic acid, 2-methyl-, methyl ester, homopolymer No data available(2-Propenoic acid, 2-methyl-, methyl ester,

homopolymer)

No data available(2-Propenoic acid, 2-methyl-, methyl ester,

homopolymer)

No data available(2-Propenoic acid, 2-methyl-, methyl ester,

homopolymer)

Test Type: In vitro mammalian cell gene mutation test Test system: mouse lymphoma cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 476 Result: negative Test Type: Ames test Test system: S. typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative Test Type: Chromosome aberration test in vitro Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative

No data available

No data available(2-Propenoic acid, 2-methyl-, methyl ester,

homopolymer)

No data available(2-Propenoic acid, 2-methyl-, methyl ester,

homopolymer) No data available

The substance/mixture does not contain components considered to have endocrinedisrupting 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.

Rat - male and female - Oral - NOAEL (No observed adverse effect level) - 250 mg/kg Remarks: (in analogy to similar products) The value is given in analogy to the following substances: diammonium hydrogenphosphate To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. After uptake of large quantities: Stomach/intestinal disorders disturbed electrolyte balance. drop in blood pressure The following applies to ammonium salts in general: after swallowing: local irritation symptoms, nausea, vomiting, diarrhoea. Systemic effect: after the uptake of very large qantities: drop in blood pressure, collapse, CNS disorders, spasms, narcotic conditions, respiratory paralysis, haemolysis. However, when the product is handled appropriately, hazardous effects are unlikely to occur. Handle in accordance with good industrial hygiene and safety practice

No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)

RTECS: TR0400000 To the best of our knowledge, the chemical,

physical, and toxicological properties have not been thoroughly investigated.(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)

## 12. Ecological information

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Toxicity No data available

Toxicity to daphnia and other aquatic invertebrate

Static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h

(OECD Test Guideline 202)

Toxicity to algae Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - > 100

mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria Static test EC50 - activated sludge - > 100 mg/l - 3 h (OECD Test

Guideline 209)

Persistence and degradability No data available

Bioaccumulative potential No data available 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 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 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.

# 13. Disposal considerations

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Waste treatment methods Offer surplus and non-recyclable solutions to a licensed disposal

company.

Contaminated packaging Dispose of as unused produc

## 14. Transport information

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UN number ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es) ADR/RID:

IMDG:

IATA:

Packaging group ADR/RID: -

IMDG: -

IATA: -

ADR/RID: no Environmental hazards

IMDG Marine pollutant: no

IATA: no

Special precautions for user No data available

#### 15. Regulatory information

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Safety, health and environmental regulations/legislation specific for This safety datasheet complies with the requirements of Regulation (EC) the substance or mixture

Other regulations

Chemical Safety Assessment

No. 1907/2006.

Take note of Dir 94/33/EC on the protection of young people at work 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, 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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