Material Safety Data Sheet

Polymethacrylate PMA (RXSOL-17-1363-220)

1. Product and Company Identifaction

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
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Email	mail@rxmarine.com
Website	www.rxmarine.com/

2. Composition / informationon ingredients

Chemical Name	Cas No	EC.NO	Weight	Formula
Poly(methacrylic acidmethyl ester) PMMA	9011-14-7	931-909-9	0.3–0.4%	(C5H8O2)n

3. Hazards Identification

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

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 labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Extinguishing media	Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon diox
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture	Carbon oxides
Advice for firefighters	Carbon oxides
Further information	No data availabl

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal..
Reference to other sections	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

Appropriate engineering controls	General industrial hygiene practice
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU
Skin protection	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

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 pressure	No data available
Relative density	1.200 g/cm3
Density	No data available
Explosive properties	No data available
Auto-ignition temperature	304 °C
Oxidizing properties	No data availabl

10. Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	no information available
Conditions to avoid	no information available
Incompatible materials	Strong oxidizing agents, Strong acids
Hazardous decomposition products	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

Acute toxicity	No data available2-Propenoic acid, 2-methyl-, methyl ester, homopolymer
Skin corrosion/irritation	No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)
Serious eye damage/eye irritation	No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)
Respiratory or skin sensitization	No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)
Germ cell mutagenicity	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
Aspiration hazard	No data available
Reproductive toxici	No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)
Specific target organ toxicity - single exposure	No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)
Specific target organ toxicity - repeated exposur	No data available
Endocrine disrupting properties	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.
Repeated dose toxicity	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
Aspiration hazard	No data available(2-Propenoic acid, 2-methyl-, methyl ester, homopolymer)
Additional Information	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

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

Waste treatment methods	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused produc

14. Transport information

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: -
Environmental hazards	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user	No data available

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	Take note of Dir 94/33/EC on the protection of young people at work

Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

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. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.