Material Safety Data Sheet

PHENYL TRIMETHYL AMMONIUM CHLORIDE (RXSOL-60-6605-227)

1. Product and Company Identifaction

Product Name	PHENYL TRIMETHYL AMMONIUM CHLORIDE
Part Number	RXSOL-60-6605-227

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

Branch : Kandla, Mumbai, Chennai, Vizag , Kolkata, UAE, OMAN and KENYA

Phone	+91 22 2087 1200 - 1400
Fax	+91 22 2087 1500 :::AOH :0091 9821214367
Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Chemical Name	CAS number	EC-No.	Weight %.
PHENYL TRIMETHYL AMMONIUM CHLORIDE	138-24-9	205-319-0	98%

3. Hazards Identification

Signal Word	Danger
Hazard statement(s)	H412 Harmful to aquatic life with long lasting effects. H301 + H311 Toxic if swallowed or in contact with skin.
Precautionary statement(s)	P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ protective clothing. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P302 + P352 + P312 IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell.
Supplemental Hazard Statements	None
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 notes	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air.
In case of eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses...
If swallowed	If swallowed: give water to drink (two glasses at most). Seek medical advice immediately. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as quickly as possible.
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
Ingestion	Do NOT induce vomiting. Rinse mouth with water (only if the person is conscious)

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

5. Fire-fighting Measures

Extinguishing media Suitable extinguishing media	Water Foam Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Nitrogen oxides (NOx) Hydrogen chloride gas Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid generation and inhalation of dusts in all circumstances. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	LCover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling	For precautions see section 2.2.
Storage conditions	Tightly closed. Dry. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.
Storage class	Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Skin protection	This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L
Body Protection	protective clothing
Respiratory protection	required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P3 The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
Control of environmental exposure	Do not let product enter drains.



Gloves



Suit

9. Physical and chemical properties

Physical State	crystalline
Color	white
Odor	No data available
Melting point/freezing point	Melting point/range: 246 - 248 °C - dec
Initial boiling point and boiling range	295 °C at 1.013 hPa
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash Point	164 °C - closed cup - ISO 2719
Autoignition temperature	No data available
PH	6,53 at 30 °C
Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
Water solubility	soluble
Partition coefficient: n-octanol/water	og Pow: 0,542 at 25 °C - Bioaccumulation is not expected.
Vapour pressure	No data available
Density	0,656 g/cm3 at 20 °C - OECD Test Guideline 109

10. Stability and reactivity

Reactivity	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical. 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.
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	Violent reactions possible with: strong alkalis
Conditions to avoid	Strong heating.
Incompatible materials	no information available

11. Toxicological information

Acute toxicity	ALD50 Oral - Rat - female - > 50 - 300 mg/kg (OECD Test Guideline 423) Inhalation: No data available Acute toxicity estimate Dermal - 300 mg/kg (Expert judgment) Acute toxicity estimate Dermal - 300 mg/kg (Expert judgment)
Skin corrosion/irritation	Skin - In vitro study Result: No irritation (OECD Test Guideline 439) Skin - Rat Result: No skin irritation (OECD Test Guideline 402)
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation Remarks: (ECHA)
Respiratory or skin sensitization	No data available
Germ cell mutagenicit	No data available Test Type: Ames test Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
Sensitisation	No end point data for material.
Skin Sensitization	Data available.
Aspiration	Data available.
Germ Cell Mutagenicity	Data available.
Carcinogenicity	Data available.

Lactation	No end point data for material.
Single Exposure	NA
Assessment	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.

12. Ecological information

Toxicity to fish	Static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Daphnia magna (Water flea) - 44 mg/l - 72 h (OECD Test Guideline 202)
Toxicity to alga	Static test ErC50 - Desmodesmus subspicatus (green algae) - 152,1 mg/l - 72 h (OECD Test Guideline 201)
Persistence and degradability	Biodegradability Result: 53,73 % - Inherently biodegradable. (OECD Test Guideline 301D)
Results of PBT and vPvB assessmen	His 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.
Other adverse effects	We have no quantitative data concerning the ecological effects of this product. Further information on ecology Discharge into the environment must be avoided

13. Disposal considerations

Waste treatment method	No data available

14. Transport information

UN number	ADR/RID: 2811 IMDG: 2811 IATA: 2811
UN proper shipping name	ADR/RID: TOXIC SOLID, ORGANIC, N.O.S. (N,N,N-trimethylanilinium chloride) IMDG: TOXIC SOLID, ORGANIC, N.O.S. (N,N,N-trimethylanilinium chloride) IATA: Toxic solid, organic, n.o.s. (N,N,N-trimethylanilinium chloride)
Transport hazard class(es)	ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1
Packaging group	ADR/RID: III IMDG: III IATA: III
Environmental hazards	ADR/RID: No IMDG Marine pollutant: No IATA: No

15. Regulatory information

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
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable
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.