

1. Product and Company Identification

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Product Name CHIMASSORB 81
Part Number RXSOL-19-3356-088

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Chemical Name	CAS	EC number	Weight
Octabenzene	1843-05-6	217-421-2	480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.
Respiratory protection	Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)		
Other Protection Measure	Handle in accordance with good industrial hygiene and safety practice.		
Control of environmental exposure	For information regarding environmental exposure controls, see Section 6.		

9. Physical and chemical properties

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Physical state Powder
Colour Light yellow

Odour	Odourless
Odor Threshold	No data available
pH	6 (1 %(m), 20 - 25 °C)
Melting Point	45 - 46 °C
Boiling Point	> 400 °C
Flash Point	> 200 °C
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No data available
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	> 350 °C
Vapour pressure	0.0000045 Pa (20 °C)
Density	1.16 g/cm ³ (20 °C)
Relative Density	No data available
Relative vapor density	No data available
Freezing point	No data available
Viscosity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	< 0.73 µg/l (20 °C)
Ignition temperature	No information available.
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	No hazardous reactions if stored and handled as prescribed/indicated.
Stability	The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions	Dust explosion hazard.
Conditions to avoid	Avoid dust formation. Avoid deposition of dust. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.
Incompatible materials	Substances to avoid: strong oxidizing agents, acids, bases, strong acids, strong bases
Hazardous decomposition products	Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

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Acute toxicity	Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Experimental/calculated data: LD50 rat (oral): > 5,000 mg/kg LD50 rabbit (dermal): > 5,000 mg/kg
Skin corrosion/irritation	Remarks: No data available
Serious eye damage/eye irritation	Remarks: No data available
Respiratory or skin sensitization	Assessment of sensitization: Sensitization after skin contact possible. Experimental/calculated data: guinea pig: skin sensitizing (OECD Guideline 406)
Toxic Effects on Human	May cause damage to the following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung sensitizer).
Carcinogenicity	The whole of the information assessable provides no indication of a carcinogenic effect.
Germ cell mutagenicity	Assessment of mutagenicity: The substance has no mutagenic activity (Ames Test). Experimental/calculated data: Ames-test negative (OECD Guideline 471)

Reproductive toxicity	The results of animal studies gave no indication of a fertility impairing effect.
Specific target organ toxicity - single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Eyes: Causes eye irritation. Ingestion: Causes gastrointestinal (digestive) tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Inhalation: Causes respiratory tract irritation. May cause chemical pneumonitis and pulmonary edema, inflammation, edema of bronchi and larynx. Chronic Potential Health Effects: Repeated or prolonged skin exposure may cause allergic reactions in sensitive individuals. Repeated or prolonged exposure by inhalation may affect respiration and metabolism.
Endocrine disrupting properties	No data available

12. Ecological information

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Bioaccumulative potential	Does not significantly accumulate in organisms. Bioconcentration factor: 89 - 190 (60 d), <i>Cyprinus carpio</i> (OECD Guideline 305 C)
Persistence and degradability	Assessment biodegradation and elimination (H ₂ O): The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants. Elimination information: 5 % CO ₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4- C) (aerobic, activated sludge, domestic, non-adapted) Assessment of stability in water: According to structural properties, hydrolysis is not expected/probable.
Toxicity to fish	LC ₅₀ (96 h) > 100 mg/l, <i>Brachydanio rerio</i> (OECD Guideline 203, static) The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. The product has low solubility in the test medium. An aqueous dispersion has been tested.
Toxicity to daphnia and other aquatic invertebrates	Flow-through test EC ₅₀ - <i>Ceriodaphnia dubia</i> (water flea) - 0,035 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	Flow-through test NOEC - algae - 0,002 mg/l - 7 Days Remarks: (in analogy to similar products) (ECHA) The value is given in analogy to the following substances: sodium hypochlorite solution
Toxicity to bacteria	Static test EC ₅₀ - activated sludge - 563 mg/l - 3 h (OECD Test Guideline 209) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: sodium hypochlorite solution
Mobility in soil	Bioconcentration factor: 89 - 190 (60 d), <i>Cyprinus carpio</i> (OECD Guideline 305 C)
Results of PBT and vPvB assessment	According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.
Additional information	Adsorbable organically-bound halogen (AOX): This product contains no organically-bound halogen.
Other adverse effects	The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

13. Disposal considerations

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Disposal methods	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.
Contaminated packaging	Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport information

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UN number	ADR/RID: IMDG: IATA:
UN proper shipping name	ADR/RID: IMDG: IATA:
Transport hazard class(es)	ADR/RID: IMDG: IATA:
Packaging group	ADR/RID: IMDG: IATA:
Environmental hazards	ADR/RID: NO IMDG: NO IATA: NO
Further information	No data available

15. Regulatory information

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Inventory status	Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes S24/25 Avoid contact with skin and eyes S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65.
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.
National legislation	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : ACUTE TOXIC : ENVIRONMENTAL HAZARDS
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	Chemical Safety Assessment performed

16. Other information

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Other Information	<p>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 we assume 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 we 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.</p> <p>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.</p>
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