

1. Product and Company Identification

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Product Name Hypochlorous Acid (HClO)
Product Type **RXSOL-95-6400-220**

Company Details:

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

Stock Point ::: Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Fujairah, Muscat

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2. Composition / Information on ingredients

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Chemical nature Aqueous solution

Substance: not applicable

Mixture

Chemical Name (Concentration) CAS-No.
Hypochlorous Acid (HClO) (>= 50 % - 480 min

splash contact:

Glove material : Nitrile rubber
Glove thickness 0.11 mm
Break through time > 480 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. 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.

Other protective equipment : Acid-resistant protective clothing

Respiratory protection

required when vapours/aerosols are generated.

Recommended Filter type : filter ABEK

The entrepreneur 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.

Environmental exposure controls

Do not empty into drains.

9. Physical and chemical properties

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Information on basic physical and chemical properties

Form	Liquid
Colour	Colourless
Odour	Odourless
Odour Threshold	Not applicable
pH	3.5-4 at 20 °C

Toxicity to daphnia and other aquatic invertebrates	EC50 Daphnia magna (Water flea): > 100 mg/l; 48 h (Hommel)
Toxicity to algae	IC50 algae: 4 mg/l; 72 h (Hommel)

Persistence and degradability : No information available.

Bioaccumulative potential : No information available.

Mobility in soil : No information available.

Results of PBT and vPvB assessment

Substance(s) in the mixture do(es) not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII, or a PBT/vPvB assessment was not conducted.

Other adverse effects : Additional ecological information

Harmful effect due to pH shift.

Discharge into the environment must be avoided.

Components

Hypochlorous acid

No information available.

13. Disposal considerations

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Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. Transport information

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Land transport (ADR/RID)

UN number	UN 3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hypochlorous acid)
Class	8
Packing group	III
Tunnel restriction code E	-
Special precautions for user	yes
Inland waterway transport (ADN)	Not relevant

Air transport (IATA)

UN number	UN 3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hypochlorous acid)
Class	8
Packing group	III
Tunnel restriction code E	-
Special precautions for user	yes
Inland waterway transport (ADN)	Not relevant

Sea transport (IMDG)

UN number	UN 3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hypochlorous acid)

Class	8
Packing group	III
Tunnel restriction code E	-
Special precautions for user	yes
Inland waterway transport (ADN)	Not relevant

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Major Accident Hazard Legislation : 96/82/EC Directive 96/82/EC does not apply

Occupational restrictions : Take note of Dir 94/33/EC on the protection of young people at work.

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC : not regulated

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals : not regulated

Substances of very high concern (SVHC) :

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of $\geq 0.1\%$ (w/w).

National legislative Storage class : 8B

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. Other information

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Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37: Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents. The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties. The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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