

1. Product and Company Identification

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Product Name Levocetirizine Hydrochloride
Part Number RXSOL-95-1601-023

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Product name	Cas No	EC No	Weight	Formula
LEVOCETIRIZINE DIHYDROCHLORIDE	130018-87-0	-	-	-

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	H302 Harmful if swallowed H314 Causes severe skin burns and eye damage
Precautionary statements	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 IF SWALLOWED Rinse mouth. Do NOT induce vomiting. P301+P312 IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. P303+P361+P353 IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. P501 Dispose of contents/container to an approved waste disposal plant
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
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	Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone
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	number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention
If inhaled	Remove victim to uncontaminated area. Allow the victim to rest. Seek medical advice (show the label where possible).
Eye Contact	Immediately flush eyes thoroughly with water for at least 30 minutes. If exposure is severe or irritation develops, seek medical attention.
Swallowed	IF SWALLOWED Get medical advice/attention. Never give anything by mouth to an unconscious person.
Skin Contact	Wash immediately and thoroughly with water and soap. If skin irritation occurs: Get medical advice/attention.
Inhalation	No data available
Ingestion	No data available
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

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Flammability	No data available
Suitable extinguishing media	water spray, extinguishing powder, carbon dioxide, foam. Use the extinguishing material recommended for the primary cause of fire.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	No data available
Further information	No data available
Hazardous combustion products	No data available
Advice for firefighters	Prevent material from entering waterways, sewers or surface drainage systems. Wear self-contained breathing apparatus and protective suit
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment in case of accidental release.
Spillage	No data available
Personal Protection	No data available
Environmental Precaution	No data available
Methods and materials for containment and cleaning	Avoid release to the environment Clean up any spills as soon as possible, using an absorbent material to collect it. Keep in suitable, closed containers for disposal. Clean contaminated surfaces with an excess of water. Avoid raising dust. Ventilate area. Concerning personal protective equipment to use, see section 8.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion	No data available
Incompatible materials	No data available
Hygiene measures	No data available

Advice on safe handling	Avoid creating or spreading dust. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Do not wear contaminated clothing.
Conditions for safe storage including any incompatibilities	No data available
Storage conditions	Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation. Store at room temperature.
Storage class	No data available
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated
Advice on general occupational hygiene	No data available

8. Exposure controls and personal protection

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Exposure controls	In-house Occupational Exposure Limit (OEL): 0.03 mg/m ³ (8 hours)
Engineering Control	All liquid/powder handling operations should be performed in a contained manner using a suitably designed and performance verified containment system. Both local exhaust and general room ventilation are usually required. Minimize charging mechanisms. Use in combination with respiratory protective equipment until containment performance monitoring has verified that the respiratory protective equipment is not required. Ground equipment electrically. Access forbidden to unauthorized personnel
Eye/face protection	Use safety glasses and in case of splash risk face shield. Use equipment for eye protection tested and approved under appropriate standards such as EN 166 (EU). Eye protection must be defined after a workplace risk assessment
Body Protection	The type of protective equipment must be selected after a workplace risk assessment. At a minimum, a laboratory coat or equivalent protective clothing is required for work with this product.
Skin protection	The type of protective equipment must be selected after a workplace risk assessment. At a minimum, a laboratory coat or equivalent protective clothing is required for work with this product.
Respiratory protection	Where workplace risk assessment shows air-purifying respirators are required, conduct an exposure assessment to determine the type and amount of containment. The respirator must have an Assigned Protection Factor (APF) adequate to the workplace exposure. Use respirators and components tested and approved under appropriate standards such as CEN (EU)
Other Protection Measure	No data available

9. Physical and chemical properties

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Physical state	Solid
Colour	Colorless
Odour	No data available
Odor Threshold	No data available
pH	1.5 (5%)
Melting Point	220C
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	No data available
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	No data available

Vapour pressure	0.0055
Viscosity	No data available
Density	No data available
Relative Density	No data available
Specific Gravity	No data available
Partition coefficient	1.32
Explosive properties	No data available
Solubility	No data available
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	No data available
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	On heating/burning: release of corrosive gases/vapors hydrogen chloride.

11. Toxicological information

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Acute toxicity	Harmful if swallowed. LD50 Oral Mouse 804 mg/kg Rat 472 mg/kg, oral dog >320 mg/kg. Maximal non-lethal dose (MNLD), acute, oral rat mouse =240 mg/kg. MNLD dog = 320 mg/kg. NOEL, subacute, oral rat 25 mg/kg (4 weeks). NOEL subacute oral dog 15 mg/kg (4 weeks) MNLD acute, injection female rat 47 mg/kg.
Skin corrosion/irritation	Causes severe skin burns and eye damage pH 1.5 (5% water solution)
Serious eye damage/irritation	Serious eye damage, category 1, implicit pH: 1.5 (5% water solution) Due to lack of data the classification is not possible.
Respiratory or skin sensitization	No data available
Carcinogenicity	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Additional Information	No data available

12. Ecological information

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Persistence and degradability	Readily biodegradable. OECD 301B method
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	Not classified. Data which is conclusive for or non-classification. EC50 Daphnia 1, >100 mg/l Daphnia acute test (OECD 202) - 48h. EC50 other aquatic organisms 1, 750 mg/l Activated Sludge respiration inhibition test (OECD 209). NOEC (acute), 100 mg/l Daphnia acute test (OECD 202)-48h. NOEC (additional information) NOEC, Activated Sludge respiration inhibition test (OECD 209): 320 mg/
Toxicity to bacteria	No data available
Toxicity to algae	No data available
Bioaccumulation potential	Log Pow 1.32 (=Log D) at pH 7.4.

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	No data available
Other adverse effects	No data available

13. Disposal considerations

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Product	No data available
Contaminated packaging	Dispose of waste product or used containers according to local regulations. Ensure all national/local regulations are observed.
Waste treatment Method	Dispose of waste product or used containers according to local regulations. Ensure all national/local regulations are observed.

14. Transport information

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UN number	ADR/RID:3261	IMDG:3261	IATA:3261
UN proper shipping name	ADR/RID:CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	IMDG:CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	IATA:CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Transport hazard class(es)	ADR/RID:8	IMDG:8	IATA:8
Packaging group	ADR/RID:II	IMDG:II	IATA:II
Environmental hazards	ADR/RID:No	IMDG:No	IATA:No
Special precautions for user	No data available		
Further information	No data available		

15. Regulatory information

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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	No data available
Chemical Safety Assessment	A Chemical Safety Assessment was not carried out for this substance.

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</p>
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for this product. If the product is used as a component in another product, this MSDS information may not be applicable.