

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: HYDROCHLOR

Product code: HDR-P5

Synonyms: -

Relevant identification uses of the substance and uses advised against:

Identified uses: Mineral Sequestration/Chelation, Mineral Scale Prevention & Removal, Internal Corrosion Inhibitor.

Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

Rust-Master
1086 N.W. 53rd St
Fort Lauderdale, FL 33309
+1-954-772-2129
www.rust-master.com

Emergency telephone numbers:

24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classes/Hazard categories:

Not classified as hazardous.

Label elements:

Hazard pictogram: No pictogram.

Signal word: No signal word.

Hazard statements: Not applicable.

Precautionary statements: Not applicable.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
Water	7732-18-5	Proprietary	-	Not Classified
	231-791-2			
Sodium hexametaphosphate, mono sodium phosphate, sodium acid pyrophosphate and sodium hydroxide proprietary liquid blend	-	Proprietary	-	Not Classified
	-			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures**Description of first aid measures:****Inhalation:** Not a hazardous exposure route.**Skin contact:** If on skin, wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Remove contaminated clothing and wash thoroughly before reuse.**Eye contact:** In case of contact with substance, immediately flush eyes with running water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.**Ingestion:** Rinse mouth. Do NOT induce vomiting.**Most important symptoms and effects, both acute and delayed:**

No further information available.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.**Section 5: Fire-Fighting Measures****Extinguisher media:****Suitable extinguishing media:** Use extinguishing media suitable for surrounding fire.**Unsuitable extinguishing media:** None known.**Special exposure hazards:** None known.**Protection for fire-fighters:** Wear self-contained breathing apparatus and protective suit.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions: Should not be released into the environment.

Methods for containment and cleaning up:

Mop up spill and place in an appropriate closed container. Product residuals may be safely rinsed with water and evacuated into the sanitary sewer system.

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Ensure adequate ventilation. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep containers closed when not in use to prevent potential contamination.

Conditions for safe storage, including incompatibilities:

Store in a cool, dry place. Keep containers tightly closed.

Specific end uses: Refer to Section 1.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits: Does not contain any substances with occupational exposure limits.

Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment:

Respiratory protection: Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear chemical resistant gloves.

Eye protection: Wear safety glasses or goggles.

Body protection: Wear protective clothing as appropriate.

Environmental exposure controls: Do not allow the product to be released into the environment. May be released or rinsed into the sanitary sewer system with dilution with water.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.

Color: Light blue.

Odor: Odorless.

Odor threshold: No data available.

pH: No data available.

Melting point/range (°C): No data available.

Boiling point/range (°C): No data available.
Flash point (°C): No data available.
Evaporation rate: No data available.
Flammability: No data available.
Upper/lower flammability limits: No data available.
Vapor pressure (20 °C): No data available.
Vapor density: No data available.
Relative density (25 °C): No data available.
Water solubility (g/L) at 20 °C: Soluble.
n-Octanol/Water partition coefficient: No data available.
Auto-ignition temperature: No data available.
Viscosity, dynamic (mPa.s): No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability: Stable under recommended conditions of use and storage.
Conditions to avoid: Heat and open flames.
Incompatible materials: Amines, alkalis, metals, oxidizers, and sulfites.
Hazardous decomposition products: Phosphorus oxides, sodium oxides.

Section 11: Toxicological Information

Information on toxicological effects:
Acute toxicity: No data available.
Skin corrosion/irritation: No data available.
Serious eye damage/irritation: No data available.
Respiratory or skin sensitization: No data available.
Germ cell mutagenicity: No data available.
Carcinogenicity: No data available.
Reproductive toxicity: No data available.
STOT-single exposure: No data available.
STOT-repeated exposure: No data available.
Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Product: Dispose of contents/container in accordance with all applicable local and national regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14: Transport Information

UN number: -

UN proper shipping name: Not regulated as dangerous goods.

Transport hazard class: -

Packing group: -

Environmental hazards: -

Special precautions for user: Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU Regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations:

SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 311/312 Hazard Categorization: Not applicable.

SARA Title III Section 313 Supplier Information: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA Section 102(a) Hazardous Substance: This material does not contain any chemical components with CERCLA reportable quantities.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text): None.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Disclaimer: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.