

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

Identification as on the label/Trade name: Rust Remover
Product code: RC-200
Synonyms: -

Relevant identification uses of the substance and uses advised against:

Identified uses: Liquid rust stain remover. Safe for use on concrete, vinyl, asphalt, brick, stone, and virtually any exterior surface.
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:

Skin irritant, Category 2
Eye irritant, Category 2

Label elements:**Hazard pictogram:**

Signal word: Warning.

Hazard statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:**Prevention**

P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.
P280 Wear protective gloves/eye protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P317 If eye irritation persists: Get medical help.

P332 + P317 If skin irritation occurs: Get medical help.

P362 + P364 Take off contaminated clothing and wash it before reuse.

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			
Hydrochloric acid	7647-01-0	Proprietary	Eye Irrit. 2; H319: 10 % ≤ C < 25 % STOT SE 3; H335: C ≥ 10 % Skin Corr. 1B; H314: C ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 %	Skin Corr. 1 H314 STOT SE 3 H335
	231-595-7			

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: If breathed in, move person into fresh air.

Skin contact: Wash off with soap and plenty of water.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed:

Causes skin and eye irritation. Symptoms may include stinging, tearing, redness, and swelling.

Indication of any immediate medical attention and special treatment needed: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance.

Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguishing media: Use extinguishing media suitable for surrounding fire.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Special exposure hazards: During fire, gases hazardous to health may be formed.

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 appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for containment and cleaning up:

Neutralize small spillages with lime or soda ash. Rinse remnant with plenty of water into drains. Clean contaminated tools with plenty of water.

Section 7: Handling and Storage

Precautions for safe handling:

The usual precautions for handling of chemicals should be observed. Do not breathe mist or vapors. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible materials.

Specific end uses: Refer to Section 1.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits:

Hydrogen chloride, CAS No. 7647-01-0

NIOSH REL C 5 ppm (7 mg/m³)

OSHA PEL C 5 ppm (7 mg/m³)

Exposure controls:

Appropriate engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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: Protective gloves have to conform to EN 374. Suited glove material: fluoro rubber, butyl rubber, chloroprene, nitrile rubber, PVC, latex. The suitability of a specific glove of a supplier has to be determined depending on the use conditions (chemical, mechanical, thermal stress, and use/contact time).

Eye protection: Safety glasses with side protection shield or goggles conform to EN 166.

Body protection: Wear protective clothing as appropriate. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environmental exposure controls: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties**Information on basic physical and chemical properties:**

Appearance (form): Liquid.

Color: Colorless – light yellow.

Odor: Acidic.

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): 1.0 – 1.1

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: Reacts violently with strong alkaline substances. This product may react with reducing agents.

Chemical stability: Stable under recommended conditions of use and storage.

Conditions to avoid: Contact with incompatible materials.

Incompatible materials: Bases, reducing agents, and amines.

Hazardous decomposition products: By heating evolution of corrosive and toxic hydrogen chloride gas are formed.

Section 11: Toxicological Information**Information on toxicological effects:**

Acute toxicity: No data available.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

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: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

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: Acute Health Hazard.

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: Hydrochloric acid, CAS No. 7647-01-0: 5,000 lbs.

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):

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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.