

SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date issued : 04/20/2022

SDS number : Rust Check Enviro Rust Wash Gel - 10013 1L_EN

Date revised : 04/21/2022

Revision number : 1

10013 RUST CHECK ENVIRO RUST WASH GEL Safe Rust Remover

1. Identification

Product identifier: 10013 RUST CHECK ENVIRO RUST WASH GEL Safe Rust Remover

Product description: Rust Remover, Water-Based, 1 L (1.06 qt) 33.8 fl oz US

Relevant identified uses of the substance or mixture and uses advised against: Rust Remover

Other means of identification - product Stock / Code: 10013

Chemical family: Water-based Rust Remover

Molecular formula: Mixture

Manufacturer / Supplier

Rust Check Corporation
6175 Danville Road, Mississauga
Ontario, Canada L5T 2H7
Customer Service: 905-670-5411

Emergency telephone number (24 hour)

CANUTEC : (613) 996-6666
CHEMTREC : (800) 424-9300

2. Hazard identification

Classification of the substance or mixture

The classification and label elements stated below were prepared in accordance with the USA OSHA Hazard Communication Standard (29 CFR 1910.1200; Hazcom 2012) and the Canadian WHMIS regulations (Hazardous Products Regulations; WHMIS 2015). This information may be different from the actual product label information for labels that are regulated by other agencies.

Health hazards:

Not classified

Physical hazards:

Not classified

Label elements

Signal word: Not applicable.

Hazard statement(s)

NA: Not applicable.

Hazards not otherwise classified: No data available.

Emergency overview

Immediate concerns: Slightly irritating to the eyes. Prolonged and repeated contact with the eyes may produce a slight transient irritation. Substance does not generally irritate and is only mildly irritating to the skin. Prolonged and repeated skin contact may lead to slight transient irritation in sensitive individuals.

Comments: See sections 9 and 10 for more detailed information on physicochemical effects.

See section 11 for more detailed information on health effects.

See sections 12 for more detailed information on environmental effects.

10013 RUST CHECK ENVIRO RUST WASH GEL Safe Rust Remover

The actual container label may not include the above label elements. The labeling shown above applies to products used solely for industrial / professional use.

Consumer products should be labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations. Consumer product labeling takes precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
water (non-hazardous ingredient)	83 - 84.5	7732-18-5
edetate disodium	3.5 - 4	139-33-3
xanthan gum	0.6 - 0.9	11138-66-2

Comments: The actual concentration is withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the product and hence require reporting in this section.

4. First-aid measures

Eye: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention, if irritation persists.

Skin: Not expected to present a significant skin hazard under anticipated conditions of use. Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting. Rinse mouth with water. Give 1 to 2 glasses of water to drink. Ingestion unlikely. If large quantity swallowed, obtain medical attention.

Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

Most important symptoms and effects, both acute and delayed

Eye: Mildly irritating to the eyes. Prolonged and repeated contact with the eyes may produce a slight transient irritation. Symptoms may include tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Skin: Substance does not generally irritate and is only mildly irritating to the skin. Prolonged or repeated contact may cause slight skin irritation.

Ingestion: May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation: At room temperature, exposure to vapor is minimal due to low volatility.

Additional information: No data available.

5. Fire-fighting measures

General hazard: Material will not burn.

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Hazardous combustion products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire fighting procedures: Containers can build up pressure if exposed to heat (fire).

Fire fighting equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Sensitivity to static discharge: Product is not sensitive to static discharge.

Sensitivity to mechanical impact: Product is not sensitive to mechanical impact.

10013 RUST CHECK ENVIRO RUST WASH GEL Safe Rust Remover

6. Accidental release measures

Small spill: Cover spill area with suitable absorbent material (e.g., sand, earth, sawdust, vermiculite, Oil-Dri, Kitty Litter, etc.). Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly. Avoid contact with eyes, skin, and clothing.

Environmental precautions

Water spill: Do not flush to sewer.

Land spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Special protective equipment: Clean up spills immediately, observing precautions in Protective Equipment section 8.

7. Handling and storage

General procedures: Handle in accordance with good industrial hygiene and safety practices.

Precautions for safe handling: Avoid contact with eyes. Wear recommended personal protective equipment. After handling, always wash hands thoroughly with soap and water.

Conditions for safe storage: Keep from freezing. Protect from physical damage. Keep containers tightly closed, when not in use. Store in a cool place.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
edetate disodium	USA OEL	TWA	[1]	[1]
xanthan gum	USA OEL	TWA	[1]	[1]

Footnotes:
1. This material does not have established exposure limits in the USA under OSHA, NIOSH, ACGIH.

Appropriate engineering controls: No special ventilation requirements.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear safety glasses with side shields.

Skin: Wear chemical resistant gloves. Avoid prolonged or repeated contact with skin.

Respiratory protection: Not Applicable

Skin protection - other: Generally not required.

Occupational hygiene practices: Handle in accordance with good industrial hygiene and safety practices. Wash hands thoroughly after handling.

9. Physical and chemical properties

Physical State: Liquid

Odour: Mild

Odour threshold: No data available.

Appearance: Gel

Colour: Green

10013 RUST CHECK ENVIRO RUST WASH GEL Safe Rust Remover

pH: 3.2 to 3.6

% Volatiles: 83.0 to 84.5% w/w

Flash point: > 100°C (212°F) Closed Cup

Explosion limit / flammability limit notes: No data available.

Auto-ignition temperature: No data available.

Vapour pressure: No data available.

Relative vapour density: No data available.

Initial boiling point and boiling range: 100°C (212°F)

Freezing point: No data available.

Melting point: No data available.

Decomposition temperature: No data available.

Solubility: Soluble

Partition coefficient n-octanol/water (logarithmic value): No data available.

Evaporation rate (n-butyl acetate = 1): No data available.

Density: 1.06-1.09 g/ml at 20°C

Particle characteristics: No data available.

Relative density: No data available.

Viscosity (kinematic or dynamic): 3000 to 5500 cps at 20°C (68°F)

VOC content: < 0.1% w/w [$< 1 \text{ g/l}$ (0.01 lb/gal)] less exempt solvents and water

Flammability: None

10. Stability and reactivity

Reactivity: No

Dangerous polymerization: Not expected to occur.

Chemical stability: Stable.

Conditions to avoid: No conditions known that should be avoided.

Possibility of hazardous reactions: No data available.

Hazardous decomposition products: By fire and high heat: Carbon monoxide, Carbon dioxide, Oxides of nitrogen and other undetermined compounds.

Incompatible materials: Oxidizing materials.

11. Toxicological information

Acute Toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
edetate disodium	3700(rat) 2000(rat) 2050(mouse) 2300(rbt)	No data available.	1.13(rat;7h) [dust - no deaths]
xanthan gum	45000(rat) 20000(mouse)	No data available.	21(rat;1h) [dust - no deaths]

10013 RUST CHECK ENVIRO RUST WASH GEL Safe Rust Remover

Acute dermal toxicity LD₅₀: Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute oral toxicity LD₅₀: Based on available ingredient data, the classification criteria for Acute Oral Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute inhalation toxicity LC₅₀: At room temperature, exposure to vapor is minimal due to low volatility. An estimate based on component information. Not classified.

Notes: <5 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity. No additional toxicology information is available for this product itself. (See Component Toxicity Information).

Skin corrosion / irritation: Based on available data, the classification criteria for skin irritation are not met for this mixture. Substance does not generally irritate and is only mildly irritating to the skin.

Serious eye damage / irritation: Based on available data, the classification criteria for eye irritation are not met for this mixture. Slightly irritating but does not injure eye tissue.

Respiratory or skin sensitization: Based on available data, the classification criteria for skin/respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a skin sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a skin/respiratory sensitizer, sub-category 1B).

Germ cell mutagenicity: Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture (< 0.1% ingredients classified as Germ Cell Mutagen, category 1A or 1B and < 1.0% ingredients classified as Germ Cell Mutagen, category 2).

Carcinogenicity

Chemical name	NTP	IARC	OSHA	Status - other
edetate disodium	--	--	--	--
xanthan gum	--	--	--	--

Notes: Based on available data, the classification criteria for Carcinogenicity are not met for this mixture (< 0.1% ingredients classified as a Carcinogen, category 1 or 2).

Reproductive toxicity: Based on available data, the classification criteria for Reproductive Toxicity are not met for this mixture (< 0.1% ingredients classified as Reproductive Toxicity, category 1 or 2).

Specific Target Organ Toxicity - single exposure: Based on available data, the classification criteria for Specific Target Organ Toxicity - Single Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 1 or 2 and < 20% summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3).

Specific Target Organ Toxicity - repeated exposure: Based on available data, the classification criteria for Specific Target Organ Toxicity - Repeated Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 1 or 2).

Aspiration hazard: Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture (< 10% ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity > 20.5 mm²/s at 40 °C).

12. Ecological information

Ecotoxicological information: No data available.

Aquatic toxicity, both acute and chronic: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

Mobility in soil: No data available.

13. Disposal considerations

Disposal methods: Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal.

Product disposal: Empty containers retain product residue; observe all precautions for product. Decontaminate containers prior to disposal.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: This product is not regulated.

Transport hazard class(es): N/A

UN number: N/A

Packing group, if applicable: N/A

Environmental hazards - marine pollutant: No

DOT other shipping information: No data available.

IMDG - sea

UN proper shipping name: This product is not regulated.

UN number: N/A

Transport hazard class(es): N/A

Packing group, if applicable: N/A

Environmental hazards - marine pollutant: No

Notes: No data available.

Canadian Transport of Dangerous Goods Regulations (TDG)

UN proper shipping name: This product is not regulated.

UN number: N/A

Transport hazard class(es): N/A

Packing group, if applicable: N/A

TDG other shipping information: No data available.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

EPCRA Section 313 Toxic Chemicals:

This product does not contain any listed toxic chemicals that exceed the threshold reporting levels established by SARA Title III, Section 313.

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status:

This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA Status:

This product contains no CERCLA listed hazardous substances.

TSCA (The Toxic Substances Control Act)

TSCA Status:

All components are included or are otherwise exempt from inclusion on this inventory.

CAA 112(b) Hazardous Air Pollutants

CAA 112(r) List of Substances for Accidental Release Prevention:

This product contains no chemicals subject to CAA 112(b) or CAA 112(r).

California Proposition 65:

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

USA OSHA Hazard Communication Standard (29CFR 1910.1200):

OSHA Status: Non-Hazardous Product (See Section 2 for details).

This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

CANADA

WHMIS Hazard Symbol and Classification

See Section 2 for details.

WHMIS Regulatory Status:

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

WHMIS Classification:

WHMIS 2015 (Canada) Status: Non-Hazardous Product (See Section 2 for details).

CEPA - National Pollutant Release Inventory (NPRI):

This product contains no chemicals subject to CEPA - NPRI.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):

All components are included or are otherwise exempt from inclusion on this inventory.

Comments VOC Content -- See section 9.

16. Other information

Reason for issue: The Safety Data Sheet was updated.

Approved by: Jim Gordon **Title:** R&D Chemist

Prepared by : Regulatory Compliance

Date revised: 04/21/2022

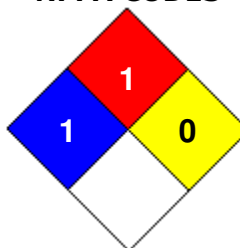
Information contact: 905-670-5411

Revision summary: This MSDS replaces the 04/20/2022 MSDS.

HMIS RATING

HEALTH		1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		A

NFPA CODES



10013 RUST CHECK ENVIRO RUST WASH GEL Safe Rust Remover

NFPA 30 / 30B Storage Classification: Combustible Liquid IIIB

Manufacturer supplemental notes: None

Data sources: Not Available

Additional SDS Information: N/AV Not Available

N/AP Not Applicable

ND Not yet determined

ACGIH American Conference of Governmental Industrial Hygienists

CAA The Clean Air Act

CCCR The Consumer Chemicals and Containers Regulations

CEPA The Canadian Environmental Protection Act

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EPCRA The Emergency Planning and Community Right-To-Know Act

IARC International Agency for Research on Cancer

MSHA Mine Safety and Health Administration

NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA The Occupational Safety and Health Administration

SARA The Superfund Amendments and Reauthorization Act

WHMIS Workplace Hazardous Materials Information System

General statements: No data available.

Comments: None

Manufacturer disclaimer: The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.