SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015

Date issued : 05/09/2022
SDS number : Rust Check Salt Off Wash - 110022 2L_EN
Date revised : 06/01/2022
Revision number : 1

110022 RUST CHECK SALT OFF WASH - Concentrated formula

1. Identification

Product identifier: 110022 RUST CHECK SALT OFF WASH - Concentrated formula
Product description: Motor Vehicle Wash Product, water-based, 2 L / 67.6 fl oz US
Relevant identified uses of the substance or mixture and uses advised against: Car Wash Soap
Other means of identification - product Stock / Code: 110022
Chemical family: Water-based Cleaner
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:

Eye Irritation, Category 2

Physical hazards:

Flammable Liquids, Category 4

Label elements

Hazardous components for labelling:
2-butoxyethanol, alcohols, C9-11, ethoxylated and alcohols, C11, ethoxylated

Exclamation mark

Signal word: WARNING

Hazard statement(s)

H227: Combustible liquid.
H319: Causes serious eye irritation.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves and eye protection.
P264: Wash hands thoroughly after handling.

Response:

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+P313: If eye irritation persists: Get medical advice/attention.

Disposal:

P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

Hazards not otherwise classified: No data available.

Emergency overview

Immediate concerns: Causes serious eye 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. Combustible liquid and vapor.

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.

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)	79 - 81	7732-18-5
citric acid, sodium salts	5.8 - 6.2	994-36-5
edetate disodium	5.1 - 5.5	139-33-3
2-butoxyethanol	4.4 - 4.8	111-76-2
alcohols, C9-11, ethoxylated	2.1 - 2.3	68439-46-3
alcohols, C11, ethoxylated	2.1 - 2.3	34398-01-1

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 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: If affected by inhalation of spray mist, move to fresh air. Get medical attention if symptoms persist.

Most important symptoms and effects, both acute and delayed

Eye: Contact causes serious eye irritation. Symptoms may include pain, 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: High vapor or spray mist concentrations may be harmful if inhaled. Spray mist may be irritating to eyes and respiratory tracts.

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.

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/m³**
citric acid, sodium salts	**USA OEL**	**-**	[1]	[1]
edetate disodium	**USA OEL**	**-**	[1]	[1]
2-butoxyethanol	**OSHA PEL**	**TWA**	50	240
	ACGIH TLV	**TWA**	20	97
	NIOSH REL	**TWA**	5	24
alcohols, C9-11, ethoxylated	**USA OEL**	**-**	[1]	[1]
alcohols, C11, ethoxylated	**USA OEL**	**-**	[1]	[1]

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

Appropriate engineering controls: Good general ventilation should be sufficient to control airborne levels.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear safety glasses with side shields (or goggles). Contact lenses should not be worn when working with this product. Eye wash fountains should be readily available to areas of use and handling.

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

Respiratory protection: Generally not required. Wear respiratory protection if ventilation is inadequate.

Skin protection - other: Wear protective clothing as necessary to prevent contact. Wear long sleeves and trousers to prevent dermal exposure.

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: Clear liquid

Colour: Colourless

pH: 5.5 to 6.0

% Volatiles: 84.0 to 85.0% w/w

Flash point: >65.6°C (150°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: 1.085-1.095 g/ml at 20°C

Particle characteristics: No data available.

Relative density: No data available.

Viscosity (kinematic or dynamic): No data available.

VOC content: < 5.0% w/w [< 55 g/l (0.46 lb/gal)]

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
citric acid, sodium salts	5000 to 12000	No data available.	Not Applicable
edetate disodium	3700(rat) 2000(rat) 2050(mouse) 2300(rbt)	No data available.	1.13(rat;7h) [dust - no deaths]
2-butoxyethanol	470(rat) 1200(mouse)	220 400	2.17(rat;4h)
alcohols, C9-11, ethoxylated	> 600	> 2000	No data available.
alcohols, C11, ethoxylated	> 1000	> 2000	No data available.

Acute dermal toxicity LD_{50}: 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. Slightly toxic. May be harmful in contact with skin.

Acute oral toxicity LD_{50}: 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. Slightly toxic. May be harmful if swallowed.

Acute inhalation toxicity LC_{50}: Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture. The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists). High vapor or spray mist concentrations may be harmful if inhaled.

Notes: <2 % 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).
Information on likely routes of exposure:
Eye contact. Inhalation. Skin contact. Ingestion.

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: Contains: 2-butoxyethanol. The manufacturer of ingredients: alcohols, C9-11, ethoxylated and alcohols, C11, ethoxylated has conducted Draize tests to prove that both of these materials are moderately irritating to rabbit eyes at 10% of active ingredient in aqueous solutions. Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as eye irritant, category 2). Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

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
citric acid, sodium salts	--	--	--	--
edetate disodium	--	--	--	--
2-butoxyethanol	--	3	--	A3 (ACGIH)
alcohols, C9-11, ethoxylated	--	--	--	--
alcohols, C11, ethoxylated	--	--	--	--

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 mm^2/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 Dangerouse 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 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
2-butoxyethanol	4.4 - 4.8	111-76-2

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):

Name	CAS No.	NPRI Part No.
2-butoxyethanol	111-76-2	1A, 5 (VOC)

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: 06/01/2022

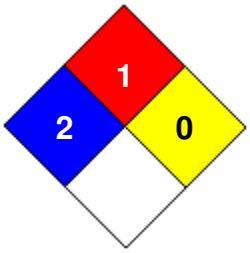
Information contact: 905-670-5411

Revision summary: This SDS replaces the 06/01/2022 SDS.

HMIS RATING

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

NFPA CODES



NFPA 30 / 30B Storage Classification: Combustible Liquid IIIA

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

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