SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

Revision date 17-Jul-2025 **Revision Number** 1

1. Identification

Product identifier

Product Name RUST AID Outdoor Rust Remover

Other means of identification

Product Code(s) WMBSNX101.6RAO

Synonyms GRAC340

Recommended use of the chemical and restrictions on use

Recommended use Consumer use General Purpose Cleaner - Non-aerosol

Restrictions on use Indoor use

Supplier
W.M. Barr & Company, Inc.
2105 Channel Ave.
Memphis, TN 38113
United States
Phone: +1-800-398-3892
24-Hour Emergency: +1-800-451-8346
Email: regulatory@wmbarr.com

2. Hazard(s) identification

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Corrosive to metals	Category 1

Hazards not otherwise classified (HNOC)
Not applicable

Label elements

Warning

Hazard statements
Harmful if swallowed

Harmful in contact with skin
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
May be corrosive to metals

Appearance Clear to hazy **Physical state** Liquid **Odor** Mild

Precautionary Statements - Prevention
Keep only in original packaging
Avoid breathing dust, fume, gas, mist, vapors and spray
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Wear protective gloves, protective clothing, eye protection and face protection

Precautionary Statements - Response
Specific treatment (see additional instructions on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of water and soap
Take off contaminated clothing and wash it before reuse
If skin irritation occurs: Get medical advice/attention
Call a POISON CENTER or doctor if you feel unwell
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth
Do NOT induce vomiting
Absorb spillage to prevent material damage

Precautionary Statements - Storage
Store in a well-ventilated place. Keep container tightly closed
Store locked up
Store in corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal
Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable

Other information
No information available.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Trade secret

Oxalic acid { Ethanedioic acid}	144-62-7	5-10	*
Hydrogen fluoride { Hydrofluoric acid; Flouric acid}	7664-39-3	0.1-1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur. IF exposed or concerned: Get medical advice/attention.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash before reuse.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If swallowed, call a poison control center or physician immediately.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Erythema (skin redness). May cause delayed skin and eye damage.

Indication of any immediate medical attention and special treatment needed

Note to physicians Symptoms may be delayed.

5. Fire-fighting measures

Explosive properties Not applicable

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical No information available.

Hazardous combustion products Carbon dioxide (CO2). Carbon monoxide. Fluorinated oxides. Hydrogen fluoride.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Stay upwind. Wear protective equipment and clothing to prevent skin and eye contact and inhalation of vapors.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up You may dilute and suppress vapors with a water fog. Neutralize product with lime. Collect material for proper disposal. Prevent runoff to sewers and bodies of water.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Store locked up. Keep out of the reach of children. Keep/store only in original container.

8. Exposure controls/personal protection

Working area parameters, subject to mandatory control (MAC or TSEL)

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Oxalic acid { Ethanedioic acid} 144-62-7	TWA: 1 mg/m³ STEL: 2 mg/m³	TWA: 1 mg/m³ (vacated) TWA: 1 mg/m³ (vacated) STEL: 2 mg/m³	IDLH: 500 mg/m³ TWA: 1 mg/m³ STEL: 2 mg/m³
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	TWA: 0.5 ppm F Sk* Ceiling: 2 ppm F	TWA: 3 ppm F (vacated) TWA: 3 ppm F (vacated) STEL: 6 ppm F	IDLH: 30 ppm Ceiling: 6 ppm 15 min Ceiling: 5 mg/m³ 15 min TWA: 3 ppm TWA: 2.5 mg/m³

Biological occupational exposure limits

Chemical name	ACGIH
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	2 mg/L - urine (Fluoride) - prior to shift 3 mg/L - urine (Fluoride) - end of shift

Appropriate engineering controls

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use only with adequate ventilation to prevent buildup of vapors. Open windows and doors and maintain a cross ventilation of moving fresh air across the work area. If irritation occurs, ventilation is inadequate. Discontinue use and move to fresh air.

Individual protection measures, such as personal protective equipment

Eye/face protection Have a source of clean water available for immediate flushing of the eyes. If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection Impervious gloves. Gloves contaminated with product should be discarded.

Skin and body protection Various application methods can dictate use of additional protective safety equipment,such as impermeable aprons, etc., to minimize exposure. Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection When used as directed, respiratory equipment should not be needed. Use with adequate ventilation. Wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits.

General hygiene considerations Clothing that becomes soiled with product should be removed as soon as possible and laundered separately. Discard any clothing or other protective equipment that cannot be decontaminated. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear to hazy
Color	colorless
Odor	Mild
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
pH	< 2	None known
pH (as aqueous solution)		None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	< 1	(butyl acetate = 1)
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive	No data available	

limits		
Vapor pressure	No data available	None known
Relative vapor density	>1	None known
Relative density	1.0326	None known
Water solubility	Soluble in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information

Explosive properties	Not applicable
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC content	0%
Liquid Density	8.59
Bulk density	No information available

10. Stability and reactivity

Reactivity Not applicable.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Exposure to air or moisture over prolonged periods.

Incompatible materials Alkalis, silver compounds, strong oxidizers, strong bases, strong acids, oleum,cyanides, sulfides, carbonates, active metals. Oxidizing agent. Strong acids. Strong bases.

Hazardous decomposition products Carbon oxides. Fluorinated oxides. Hydrogen fluoride.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Erythema (skin redness). May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

The following ATE values have been calculated for the mixture

ATEmix (oral)	1031 mg/kg
ATEmix (dermal)	1234.6 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Oxalic acid { Ethanedioic acid} 144-62-7	= 375 mg/kg (Rat)	= 20000 mg/kg (Rat)	-
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	-	-	= 0.79 mg/L (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Target organ effects Respiratory system, Eyes, Skin.

Aspiration hazard Based on available data, the classification criteria are not met.

Other adverse effects May cause delayed skin and eye damage. Hydrofluoric acid exposures that are prolonged or that occur in the presence of skin damage may create more severe effect including delayed skin injury and systemic absorption.

Interactive effects Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Oxalic acid { Ethanedioic acid} 144-62-7	-	-	-	EC50: 125 - 150mg/L (48h, Daphnia magna)
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	-	-	-	EC50: =270mg/L (48h, Daphnia species)

Persistence and degradability No information available.

Bioaccumulation

Component Information

Chemical name	Partition coefficient
Oxalic acid { Ethanedioic acid} 144-62-7	-1.7
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	-1.4

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. Transport information

DOT The shipper / supplier may be able to apply one of the following exceptions if allowed under 49 CFR Regulations: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49 CFR Hazmat Regulations. Please consult 49 CFR Subchapter C to ensure that subsequent shipments comply with these exceptions. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

UN number or ID number UN1760
Proper shipping name Corrosive liquids, n.o.s.
Transport hazard class(es) 8
Packing group III
Special Provisions IB3, T7, TP1, TP28
DOT Marine Pollutant NP
Description UN1760, Corrosive liquids, n.o.s.(Oxalic Acid, Hydrofluoric Acid), 8, III

IATA

UN number or ID number UN1760

UN proper shipping name	Corrosive liquid, n.o.s.
Transport hazard class(es)	8
Packing group	III
Description	UN1760, Corrosive liquid, n.o.s.(Oxalic Acid, Hydrofluoric Acid), 8, III
Special Provisions	A3, A803
ERG Code	8L

IMDG

UN number or ID number	UN1760
UN proper shipping name	Corrosive liquid, n.o.s.
Transport hazard class(es)	8
Packing group	III
EmS-No.	F-A, S-B
Special Provisions	274, 223
Description	UN1760, Corrosive liquid, n.o.s.(Oxalic Acid, Hydrofluoric Acid), 8, III

15. Regulatory information

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} - 7664-39-3	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	100 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Oxalic acid { Ethanedioic acid} 144-62-7	X	X	X
Hydrogen fluoride { Hydrofluoric acid; Flouric acid} 7664-39-3	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Other Regulations This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

16. Other information

NFPA	**Health hazards** 3	**Flammability** 0	**Instability** 0	**Special hazards** -
HMIS	**Health hazards** 3	**Flammability** 0	**Physical hazards** 0	**Personal protection** X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Revision date 17-Jul-2025
Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

materials or in any process, unless specified in the text.

End of Safety Data Sheet