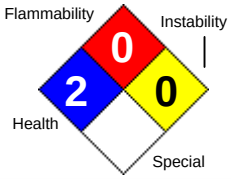
MATERIAL SAFETY DATA SHEET

Rustaid



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1. Product and Company Identification

Product Code: BSNX101.5
Product Name: Rustaid
Manufacturer Information
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Web site address: www.wmbarr.com
Preparer Name: W.M. Barr EHS Department (901)775-0100
Synonyms

DSX00155, PSX00601, QSX01032, CSX00105, GSX00101, GSX00101C, GSX0010TEMP, QSX01032P, QSX01032PTEMP1

2. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TWA	Other Limits
1. Oxalic acid {Ethanedioic acid}	144-62-7	<10.0 %	1 mg/m3	1 mg/m3	No data.
2. Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	7664-39-3	< 0.5 %	3 ppm	No data.	No data.

Hazardous Components (Chemical Name)	CAS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Oxalic acid {Ethanedioic acid}	144-62-7	No data.	No data.	2 mg/m3	No data.
2. Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	7664-39-3	No data.	No data.	No data.	3 ppm

3. Hazards Identification

Emergency Overview

Caution! Harmful or fatal if swallowed. May cause burns which may not be immediately apparent.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic)

Eye Contact: Direct contact with the eye may result in pain, tears, excessive blinking, discomfort, redness, swelling.

Skin Contact: Skin contact is likely to result in harmful effects, such as irritation, burns, or dermatitis. Hydrogen flouride can produce burns which may not be immediately apparent.

Inhalation: Breathing vapors under normal circumstances is not expected to produce harmful results.

Ingestion: Symptoms may include burning pain in the stomach and esophagus.

Signs and Symptoms Of Exposure

See Potential Health Effects.

Medical Conditions Generally Aggravated By Exposure

None known.

4. First Aid Measures

Emergency and First Aid Procedures

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Remove any conact lens. Seek medical attention.

Skin Contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms persist.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion: Drink large quantities of water or milk. Seek immediate medical attention. Do not induce vomiting.

5. Fire Fighting Measures

Flash Pt: NA

Explosive Limits: LEL: No data. UEL: No data.

Fire Fighting Instructions

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

Flammable Properties and Hazards

No flashpoint.

If material is invovled in a fire, boiling liquid may emit vapors containing hydrogen flouride fumes.

Hazardous Combustion Products

None.

Extinguishing Media

Non-combustible liquid - use extinguishing media for underlying cause of fire.

Unsuitable Extinguishing Media

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Isolate the hazard area and deny entry. Keep unnecessary people away. Stay upwind, out of low areas, and ventilate closed spaces before entering.

Small spills: Absorb the liquid with inert material, such as sand, earth, or other noncombustible material and place into a compatible container for disposal.

Large spills: Dike far ahead of the spill for later disposal.

7. Handling and Storage

Precautions To Be Taken in Handling

Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Keep container closed when not in use.

Precautions To Be Taken in Storing

Store in cool dry place. Avoid dry down to residue. Keep away from children.

8. Exposure Controls/Personal Protection

Respiratory Equipment (Specify Type)

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Under normal consumer use, respiratory protection is not normally required. Avoid breathing high concentrations of vapors.

Eye Protection

Safety glasses, with sideshields, chemical goggles or faceshields are recommended to safeguard against potential eye contact.

Protective Gloves

Wear impermeable gloves, such as nitrile rubber to prevent skin contact.

Other Protective Clothing

Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons to minimize exposure.

Engineering Controls (Ventilation etc.)

No special ventilation requirements are needed when used as directed. Avoid excessive inhaling of vapor.

Work/Hygienic/Maintenance Practices

Wash hands thoroughly after use and before eating, drinking, or smoking. Do not eat, drink, or smoke in the work area. Discard any clothing or other protective equipment that cannot be decontaminated. A source of clean water should be available in the work area when handling this product.

9. Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Melting Point:	~ 32.00 F
Boiling Point:	~ 212.00 F
Autoignition Pt:	No data.
Flash Pt:	NA
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	1.03
Density:	8.6 LB/GL
Bulk density:	No data.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	No data.

Solubility Notes

Soluble in water.

Percent Volatile:	> 90.0 % by weight.
Heat Value:	No data.
Particle Size:	No data.
Corrosion Rate:	No data.
pH:	< 2

Appearance and Odor

Clear appearance, acidic odor.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Alkalies, bleaching agents(bleach), silver compounds, strong oxidizers, oleum.

Hazardous Decomposition Or Byproducts

No data available.

Hazardous Polymerization: Will occur [ ] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

11. Toxicological Information

No data available.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Oxalic acid {Ethanedioic acid}	144-62-7	n.a.	n.a.	n.a.	n.a.
2. Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	7664-39-3	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method

Dispose of in accordance with all applicable local, state, and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Compound Cleaning Liquid

Additional Transport Information

For D.O.T. information, contact W.M. Barr Technical Services at 1-800-398-3892.

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

15. Regulatory Information

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Oxalic acid {Ethanedioic acid}	144-62-7	No	No	No	
2. Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	7664-39-3	Yes 100 LB	Yes 100 LB	Yes	Yes

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Oxalic acid {Ethanedioic acid}	144-62-7	No		Inventory	
2. Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	7664-39-3	HAP		Inventory, 12(b)	

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

Sec.302: EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.

Sec.304: EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.

Sec.313: EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

Sec.110: EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

Inventory: Chemical Listed in the TSCA Inventory.

5A(2): Chemical Subject to Significant New Rules (SNURS)

6A: Commercial Chemical Control Rules

8A: Toxic Substances Subject To Information Rules on Production

8A CAIR: Comprehensive Assessment Information Rules - (CAIR)

8A PAIR: Preliminary Assessment Information Rules - (PAIR)

8C: Records of Allegations of Significant Adverse Reactions

8D: Health and Safety Data Reporting Rules

8D TERM: Health and Safety Data Reporting Rule Terminations

12(b): Notice of Export

Other Important Lists:

CWA NPDES: EPA Clean Water Act NPDES Permit Chemical

CAA HAP: EPA Clean Air Act Hazardous Air Pollutant

CAA ODC: EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)

CA PROP 65: California Proposition 65

International Regulatory Lists:

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[X] Yes [ ] No Acute (immediate) Health Hazard
[ ] Yes [X] No Chronic (delayed) Health Hazard
[ ] Yes [X] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

16. Other Information

Company Policy or Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.