

SAFETY DATA SHEET
RustAid / Goof Off Bathroom Rust Stain
Cleaner Spray

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Printed: 08/28/2015
Revision: 08/18/2015
Supersedes Revision: 05/29/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: RustAid / Goof Off Bathroom Rust Stain Cleaner Spray
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100

Web site address: www.wmbarr.com

Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892

Intended Use: Removes rust and rust stains

Product Code: QSX20001, PSX20004, ESX20005

Additional Information 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.

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2B

GHS Signal Word: **Warning**

GHS Hazard Phrases: H316: Causes mild skin irritation.
H320: Causes eye irritation.

GHS Precaution Phrases: P264: Wash hands thoroughly after handling.

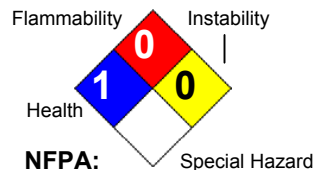
GHS Response Phrases: P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313: If skin irritation occurs, get medical advice/attention.
P337+313: If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases: No phrases apply.

Hazard Rating System:

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PPE	X

HMIS:



OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):
ACUTE EYE CONTACT: May cause mild eye irritation. Symptoms include pain, stinging, tearing, excessive blinking, swelling, and redness. May cause conjunctivitis and corneal burns.

ACUTE SKIN CONTACT: May cause skin irritation. Symptoms may include redness and burning of the skin. Repeated or prolonged contact may cause dermatitis. Concentrated solutions of hydrofluoric acid is extremely corrosive to the skin, which can cause severe skin burns with ulceration and pain. Effects from hydrofluoric acid contact may not be readily apparent (delayed). Hydrofluoric acid burns may be slow in healing.

ACUTE INGESTION: Ingestion may cause corrosion and burns of the mouth, throat, esophagus, stomach, small bowel, and digestive tract with vomiting, abdominal pain, collapse, and possible

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convulsions. Death may result.

ACUTE INHALATION:

May cause irritation of the nose, throat, and airways. May cause central nervous system depression, dizziness, drowsiness, weakness, nausea, headache, and unconsciousness.

Medical Conditions Generally Preexisting disorders of the lung and kidney.

Aggravated By Exposure:

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
144-62-7	Oxalic acid {Ethanedioic acid}	< 7.0 %
57-55-6	Propylene glycol {1,2-Propanediol (not 313)}	< 5.0 %
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Fluoric acid}	< 0.5 %

Additional Chemical Information

Specific percentage of composition is being withheld as a trade secret.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

EYE CONTACT:

Immediately begin flushing the eyes with water, remove any contact lens, and continue flushing for a minimum of 15 minutes. After this, get immediate medical attention.

SKIN CONTACT:

Immediately wash with soap and water. Remove contaminated clothing while washing. If irritation persists, get medical attention.

INGESTION:

Call your poison control center, hospital emergency room or physician immediately for instructions. You can immediately drink large amounts of water or milk with added milk of magnesia. Do not induce vomiting unless directed by medical personnel.

INHALATION:

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

Signs and Symptoms Of Exposure:

See Potential Health Effects.

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5. FIRE FIGHTING MEASURES

Flash Pt: No data.

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

Autoignition Pt: No data.

Suitable Extinguishing Media: Non-combustible liquid - use extinguishing media for underlying cause of fire.

Dry Chemical, Carbon Dioxide, Foam, Water Spray

Unsuitable Extinguishing Media: None known.

Fire Fighting Instructions: Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

Flammable Properties and Hazards: FLASHPOINT: NO FLASH TO BOILING

WILL NOT BURN.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: 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.

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 To Be Taken in Handling: Use only with adequate ventilation.
Avoid breathing of vapors or mist.
Prevent skin and eye contact.
Prevent ingestion of material.

Use with a source of water in the immediate area for flushing of the skin and eyes.

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all applicable local, state, and federal regulations. Do not reuse this container.

Precautions To Be Taken in Storing: Keep from freezing.
Store away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
144-62-7	Oxalic acid {Ethanedioic acid}	PEL: 1 mg/m3	TLV: 1 mg/m3 STEL: 2 mg/m3	No data.
57-55-6	Propylene glycol {1,2-Propanediol (not 313)}	No data.	No data.	No data.
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Fluoric acid}	PEL: 3 ppm	CEIL: 3 ppm	No data.

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**Respiratory Equipment
(Specify Type):**

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.

Eye Protection:

Where there is potential for eye contact, wear chemical goggles, or goggles with a faceshield. Have a source of clean water available for immediate flushing of the eyes.

Protective Gloves:

Wear impermeable gloves. Gloves contaminated with product should be discarded.

Other Protective Clothing:

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

**Engineering Controls
(Ventilation etc.):**

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 strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

**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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
Appearance and Odor:	Clear, green, thin		
Melting Point:	~ 32.00 F		
Boiling Point:	>= 212.00 F		
Autoignition Pt:	No data.		
Flash Pt:	No data.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Specific Gravity (Water = 1):	1.03		
Density:	8.58 LB/GL		
Vapor Pressure (vs. Air or mm Hg):	< 1 MM HG at 68.0 F		
Vapor Density (vs. Air = 1):	No data.		
Evaporation Rate:	< 1		
Solubility in Water:	Soluble		

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pH: < 1
Percent Volatile: 92.6 % by weight.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: Alkalies, silver compounds, strong oxidizers, strong bases, strong acids, oleum, cyanides, sulfides, carbonates, active metals.
Hazardous Decomposition or Byproducts: Flourides, carbon monoxide, carbon dioxide, toxic formic acid, organic compounds.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Product has not been tested as a whole. Refer to section 2 for acute and chronic health effects.

CAS# 144-62-7:
Eyes, Species: Rabbit, 100.0 MG, 4 S, Severe.
Result:
Behavioral: Excitement.
Lungs, Thorax, or Respiration: Respiratory depression.
Skin and Appendages: Other: Hair.
- Food and Chemical Toxicology., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 20,573, 1982

CAS# 57-55-6:
Acute toxicity, LD50, Oral, Rat, 20.00 GM/KG.
Result:
Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Olfaction: Other changes.
Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Conjunctive irritation.
Lungs, Thorax, or Respiration: Other changes.
- Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 45,362, 1978

CAS# 7664-39-3:
Standard Draize Test, Eyes, Human, 50.00 MG, Severe.
Result:
Related to Chronic Data - death.
- Annales de Medecine Legale et de Criminologie., For publisher information, see MLDCAS, Paris France, Vol/p/yr: 37,110, 1957

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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
144-62-7	Oxalic acid {Ethanedioic acid}	n.a.	n.a.	n.a.	n.a.
57-55-6	Propylene glycol {1,2-Propanediol (not 313)}	n.a.	n.a.	n.a.	n.a.
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: Product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Compound Cleaning Liquid
DOT Hazard Class:
UN/NA Number:

15. REGULATORY INFORMATION

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

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
144-62-7	Oxalic acid {Ethanedioic acid}	No	No	No
57-55-6	Propylene glycol {1,2-Propanediol (not 313)}	No	No	No
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	Yes 100 LB	Yes 100 LB	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:
 Yes No Acute (immediate) Health Hazard
 Yes No Chronic (delayed) Health Hazard
 Yes No Fire Hazard
 Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
144-62-7	Oxalic acid {Ethanedioic acid}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
57-55-6	Propylene glycol {1,2-Propanediol (not 313)}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Flouric acid}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test, 12(b); CA PROP.65: No

16. OTHER INFORMATION

Revision Date: 08/18/2015
Preparer Name: W.M. Barr EHS Dept (901)775-0100
Additional Information About This Product: No data available.

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

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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.