

SAFETY DATA SHEET

Goof Off Stain Remover Outdoor

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Printed: 05/29/2015

Revision: 05/29/2015

Supersedes Revision: 04/17/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Stain Remover Outdoor

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

Synonyms: GSX00101

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.

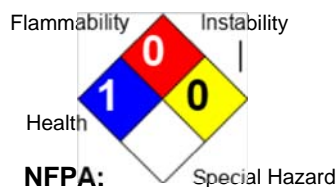
GHS Response Phrases: P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313: If skin irritation occurs, get medical advice/attention.
P337+313: If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases: No phrases apply.

Hazard Rating System:

HEALTH	-	1
FLAMMABILITY		0
PHYSICAL		0
PPE		X

HMIS:



NFPA:

Potential Health Effects (Acute and Chronic):

This material has not been tested as a whole for health effects. Effects listed are those of the individually listed ingredients in this msds.

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 irritation, burns, or dermatitis.

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

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

Target Organs: Upper respiratory system, throat, stomach, skin

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Primary Routes of Entry: Skin, Eyes, Ingestion

Medical Conditions Generally None known.**Aggravated By Exposure:**

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
144-62-7	Oxalic acid {Ethanedioic acid}	<10.0 %	RO2450000
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Fluoric acid}	< 1.0 %	MW7875000

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 flush eyes with water for at least 15 minutes. Remove any contact 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.

Signs and Symptoms Of Exposure:

See Potential Health Effects.

Note to Physician:

None.

5. FIRE FIGHTING MEASURES

Flash Pt: n/a
NP**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.**Unsuitable Extinguishing Media:** None known.**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:** This product does not burn or support combustion.

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

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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

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.
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Fluoric acid}	PEL: 3 ppm	CEIL: 3 ppm	No data.

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: ☐ Gas ☒ Liquid ☐ Solid

Appearance and Odor: Clear appearance, acidic odor.

Melting Point: ~ 32.00 F

Boiling Point: ~ 212.00 F

Autoignition Pt: No data.

Flash Pt: NP

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

Specific Gravity (Water = 1): 1.03

Density: 8.6 LB/GL

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: Complete

pH: < 2

Percent Volatile: > 90.0 % by weight.

10. STABILITY AND REACTIVITY

Stability: Unstable ☐ Stable ☒

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: Alkalies, bleaching agents(bleach), silver compounds, strong oxidizers, oleum.

Hazardous Decomposition or Byproducts: None known.
Hydrogen flouride upon contact with certain metals can react and generate hydrogen gas and flourides.

Possibility of Hazardous Reactions: Will occur ☐ Will not occur ☒

Conditions To Avoid - Hazardous Reactions: No data available.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for acute and chronic 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# 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

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
144-62-7	Oxalic acid {Ethanedioic acid}	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: No information available for this product as a whole.

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

DOT Hazard Class:

UN/NA Number:

Additional Transport Information:

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
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:

<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute (immediate) Health Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chronic (delayed) Health Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Fire Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sudden Release of Pressure Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reactive Hazard

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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
7664-39-3	Hydrogen fluoride {Hydrofluoric acid; Fluoric acid}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test, 12(b); CA PROP.65: No

Regulatory Information:

16. OTHER INFORMATION

Revision Date: 05/29/2015

Preparer Name: W.M. Barr EHS Department (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 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.