

SAFETY DATA SHEET
Goof Off Graffiti Remover

Page: 1 of 9

Printed: 01/09/2023

Revision: 01/04/2023

Supersedes Revision: 04/22/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Goof Off Graffiti Remover	
Company Name:	W. M. Barr 2105 Channel Avenue Memphis, TN 38113	
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:	Paint/Varnish Remover	
Product Code:	FG673, FG673W	

2. HAZARDS IDENTIFICATION

Flammable Aerosols, Category 1

Gas Under Pressure, Liquefied gas

Simple Asphyxiant

Acute Toxicity: Inhalation, Category 4

Skin Corrosion/Irritation, Category 1B

Serious Eye Damage/Eye Irritation, Category 1

Germ Cell Mutagenicity, Category 1B

Carcinogenicity, Category 2

Specific Target Organ Toxicity (single exposure), Category 3

Specific Target Organ Toxicity (repeated exposure), Category 2



GHS Signal Word:

Danger

GHS Hazard Phrases:

H222 - Extremely flammable aerosol.

H332 - Harmful if inhaled.

H336 - May cause drowsiness or dizziness.

HUS1 - May displace oxygen and cause rapid suffocation.

GHS Precautionary Phrases: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P211 - Do not spray on an open flame or any other ignition source.

P251 - Pressurized container: Do not pierce or burn, even after use.

P271 - Use only outdoors or in a well-ventilated area.

P281 - Use personal protective equipment as required.

GHS Response Phrases:

P330 - Rinse mouth. P361 - Remove/Take off immediately all contaminated clothing.

P304 - IF INHALED: P340 - Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+313 - IF exposed or concerned: Get medical attention/advice.

P310 - Immediately call a POISON CENTER or doctor/physician.

P314 - Get medical attention/advice if you feel unwell.

P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal

Phrases: P403+233 - Store container tightly closed in well-ventilated place. P405 - Store locked up.

P410+403 - Protect from sunlight and store in well-ventilated place.

P412 - Do not expose to temperatures exceeding 50 °C/122 °F.

P501 - Dispose of contents/container according to local, state and federal regulations.

SAFETY DATA SHEET
Goof Off Graffiti Remover

Page: 2 of 9

Printed: 01/09/2023

Revision: 01/04/2023

Supersedes Revision: 04/22/2020

Potential Health Effects (Acute and Chronic):	See above.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone {2-Propanone}	30.0 -60.0 %
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	10.0 -30.0 %
67-68-5	Methyl sulfoxide {Dimethyl sulfoxide; DMSO}	7.0 -13.0 %
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	7.0 -13.0 %
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	1.0 -5.0 %
68439-46-3	Alcohols, C9-11, ethoxylated	0.1 -1.0 %
98-82-8	Cumene {Benzene, 1-Methylethyl-; Isopropylbenzene}	0.1 -1.0 %
110-91-8	Morpholine {Diethylene imidoxide}	0.1 -1.0 %
66455-14-9	Alcohols, C12-13, ethoxylated	0.1 -1.0 %
1095-66-5	Oleic acid, compound with morpholine (1:1)	0.1 -1.0 %

Additional Chemical Information	Specific percentage of composition is being withheld as a trade secret.
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4. FIRST AID MEASURES

Emergency and First Aid Procedures:	Skin: IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Seek medical attention if irritation persists.
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Eyes:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention.

Inhalation:

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

Ingestion:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention immediately. Call your poison control center, hospital emergency room, or physician immediately for instructions. Never give anything by mouth to an unconscious person.

Signs and Symptoms Of Exposure:	**Refer to section 2.
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SAFETY DATA SHEET
Goof Off Graffiti Remover

Page: 3 of 9
Printed: 01/09/2023
Revision: 01/04/2023
Supersedes Revision: 04/22/2020

5. FIRE FIGHTING MEASURES

Flammability Classification:	NFPA Level 3
Flash Pt:	0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: N.D. UEL: N.D.
Autoignition Pt:	N.D.
Suitable Extinguishing Media:	Use carbon dioxide, dry powder, or foam.
Unsuitable Extinguishing Media:	Do NOT use straight streams of water. If water is used, use a water spray or fog.
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. 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:	Beware of static electricity that may be generated by synthetic clothing and other sources. Danger! Flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition source. No smoking. Do not smoke.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide, sulfur oxides, hydrogen sulfide.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	Vapors may cause flash fire or ignite explosively. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Stay upwind, out of low areas, and ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes.
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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	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 regulations. Do not reuse this container. 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 regulations. Do not reuse this container. according to local, state and federal regulations. Do not reuse this container. Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc. Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited. Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.
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SAFETY DATA SHEET

Goof Off Graffiti Remover

Page: 4 of 9

Printed: 01/09/2023

Revision: 01/04/2023

Supersedes Revision: 04/22/2020

Precautions To Be Taken in Storing:	Store in a cool place in original container and protect from sunlight. Exposure to high temperatures or prolonged exposure to sun may cause can to leak or swell. Once opened, remover should be used within six months or discarded to avoid can deterioration. Do not store near flames or at elevated temperatures			
8. EXPOSURE CONTROLS/PERSONAL PROTECTION				
CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-64-1	Acetone {2-Propanone}	ACGIH TLV OSHA PELs	TLV: 500 ppm STEL: 750 ppm PEL: 1000 ppm	
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	ACGIH TLV OSHA PELs	TLV: 100 ppm STEL: 150 ppm PEL: 100 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	ACGIH TLV OSHA PELs	TLV: 20 ppm STEL: 125 ppm PEL: 100 ppm	
98-82-8	Cumene {Benzene, 1-Methylethyl-; Isopropylbenzene}	ACGIH TLV OSHA PELs	TLV: 50 ppm PEL: 50 ppm	
110-91-8	Morpholine {Diethylene imidoxide}	ACGIH TLV OSHA PELs	TLV: 20 ppm PEL: 20 ppm	
Respiratory Equipment (Specify Type):	For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved self-contained breathing apparatus or powered air supply respirator or loose fitting hood.			
Eye Protection:	For OSHA controlled workplace and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dusk mask does not provide protection against vapors. A dust mask does not provide protection against vapors.			
Protective Gloves:	Chemical goggles, also wear a face shield if splashing hazard exists.			
Other Protective Clothing:	Laminate film gloves offer the best protection. Consult your glove supplier for additional information.			
Engineering Controls (Ventilation etc.):	Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use.			
	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. If the work area is not well ventilated, DO NOT use this product. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas.			
	Whenever possible, use outdoors in an open air area. If using indoors open all windows			

SAFETY DATA SHEET
Goof Off Graffiti Remover

Page: 5 of 9

Printed: 01/09/2023

Revision: 01/04/2023

Supersedes Revision: 04/22/2020

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[X] Gas [] Liquid [] Solid
Appearance and Odor:	Opaque viscous liquid. aromatic odor.
pH:	N.A.
Melting Point:	N.D.
Boiling Point:	> 99.90 F
Flash Pt:	0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Evaporation Rate:	< 1 (BuAC=1)
Flammability (solid, gas):	
Explosive Limits:	LEL: N.D. UEL: N.D.
Vapor Pressure (vs. Air or mm Hg):	N.D.
Vapor Density (vs. Air = 1):	N.D.
Specific Gravity (Water = 1):	0.8356 - 0.8626
Density:	6.977 - 7.177 LB/GL
Solubility in Water:	Appreciable
Saturated Vapor Concentration:	
Octanol/Water Partition Coefficient:	ND
Percent Volatile:	95.11 % by weight.
VOC / Volume:	38.7800 % WT
Autoignition Pt:	N.D.
Decomposition Temperature:	N.D.
Viscosity:	1000 - 3000 cSt
a_fld_hdr[9]:	ND = Not Determined. Flash point is for liquid contents.

Information with regard to primary physical hazard:

SAFETY DATA SHEET
Goof Off Graffiti Remover

Page: 6 of 9
Printed: 01/09/2023
Revision: 01/04/2023
Supersedes Revision: 04/22/2020

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid -

Instability:

Incompatibility - Materials To Bases, oxygen, sodium, potassium, strong oxidizers, reactive metals, strong acids.

Avoid:

Hazardous Decomposition or Carbon monoxide, Carbon dioxide.

Byproducts:

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Reactions:

Conditions To Avoid -

Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. This product has not been tested as a whole. Information below will be for individual ingredients. Refer to section 2 for acute and chronic health effects.

CAS# 67-64-1:

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, Severe.

Result:

Behavioral: Change in motor activity (specific assay).

Behavioral: Alteration of classical conditioning.

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 1330-20-7:

Acute toxicity, LC50, Inhalation, Rat, 5000. PPM, 4 H.

Result:

Behavioral: Muscle contraction or spasticity.

Lungs, Thorax, or Respiration:Other changes.

- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., National Assoc. of Printing Ink Research Institute, Francis McDonald Sinclair Memorial Labor, Lehigh Univ., Bethlehem, PA 18015, Vol/p/yr: 1,123, 1974

Standard Draize Test, Eyes, Species: Rabbit, 5.000 MG, 24 H, Severe.

Result:

Behavioral: General anesthetic.

Behavioral: Somnolence (general depressed activity).

Behavioral: Irritability.

- "Sbornik Vysledku Toxikologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucich P, Marhold, J.V., Institut Pro Vychovu Vedoucich, Pracovniku Chemickeho, Prumycul Praha Czechoslovakia, Vol/p/yr: -,24, 1972

CAS# 100-41-4:

Tumorigenic Effects:, TCLO, Inhalation, Rat, 750.0 ppm.

Result:

Tumorigenic: Carcinogenic by RTECS criteria.

Kidney, Ureter, Bladder: Tumors.

SAFETY DATA SHEET
Goof Off Graffiti Remover

Page: 7 of 9

Printed: 01/09/2023

Revision: 01/04/2023

Supersedes Revision: 04/22/2020

Standard Draize Test, Eyes, Species: Rabbit, 500.0 MG, Severe.

Result:

Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).

Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

- American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS# 68439-46-3:

Acute toxicity, LD50, Oral, Rat, 1378. MG/KG.

Result:

Behavioral: Somnolence (general depressed activity).

Behavioral: Ataxia.

Gastrointestinal: Hypermotility, diarrhea.

- Journal of the American College of Toxicology., Mary Ann Liebert, Inc., New York, NY, Vol/p/yr: 10(4),427, 1991

Chronic Toxicological Effects: This product has not been tested as a whole.

Carcinogenicity/Other Information: IARC 2B - Possibly Carcinogenic to Humans.
IARC 3: Not Classifiable as to Carcinogenicity in Humans.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Propanone}			A4	
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}		3	A4	
67-68-5	Methyl sulfoxide {Dimethyl sulfoxide; DMSO}				
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}				
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}		2B	A3	
68439-46-3	Alcohols, C9-11, ethoxylated				
98-82-8	Cumene {Benzene, 1-Methylethyl-; Isopropylbenzene}	Possible	2B		
110-91-8	Morpholine {Diethylene imidoxide}		3	A4	
66455-14-9	Alcohols, C12-13, ethoxylated				
1095-66-5	Oleic acid, compound with morpholine (1:1)				

12. ECOLOGICAL INFORMATION

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

SAFETY DATA SHEET

Goof Off Graffiti Remover

Page: 8 of 9

Printed: 01/09/2023

Revision: 01/04/2023

Supersedes Revision: 04/22/2020

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: Aerosols, flammable, corrosive.

DOT Hazard Class: 2.1(8) FLAMMABLE, CORROSIVE

UN/NA Number: UN1950



Additional Transport Information: Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

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)
67-64-1	Acetone {2-Propanone}	No	Yes NA	No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes NA	Yes
67-68-5	Methyl sulfoxide {Dimethyl sulfoxide; DMSO}	No	No	No
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No	No	No
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	No	Yes NA	Yes
68439-46-3	Alcohols, C9-11, ethoxylated	No	No	No
98-82-8	Cumene {Benzene, 1-Methylethyl-; Isopropylbenzene}	No	Yes NA	Yes
110-91-8	Morpholine {Diethylene imidoxide}	No	No	No
66455-14-9	Alcohols, C12-13, ethoxylated	No	No	No
1095-66-5	Oleic acid, compound with morpholine (1:1)	No	No	No

CAS # Hazardous Components (Chemical Name) Other US EPA or State Lists

67-64-1	Acetone {2-Propanone}	TSCA: Inventory
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	CAA HAP, ODC: HAP: VHAP CWA NPDES TSCA: Inventory
67-68-5	Methyl sulfoxide {Dimethyl sulfoxide; DMSO}	TSCA: Inventory
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	TSCA: Inventory
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	CAA HAP, ODC: HAP: VHAP CWA NPDES TSCA: Inventory CA PROP.65: Yes: Canc.
68439-46-3	Alcohols, C9-11, ethoxylated	TSCA: Inventory
98-82-8	Cumene {Benzene, 1-Methylethyl-; Isopropylbenzene}	CAA HAP, ODC: HAP: VHAP TSCA: Inventory CA PROP.65: Yes: Canc.
110-91-8	Morpholine {Diethylene imidoxide}	TSCA: Inventory
66455-14-9	Alcohols, C12-13, ethoxylated	TSCA: Inventory

SAFETY DATA SHEET

Goof Off Graffiti Remover

Page: 9 of 9

Printed: 01/09/2023

Revision: 01/04/2023

Supersedes Revision: 04/22/2020

1095-66-5 Oleic acid, compound with morpholine (1:1) TSCA: Inventory

Additional Regulatory 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. 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

Revision Date: 01/04/2023 **Previous revision:** 04/22/2020
Preparer Name: W.M. Barr EHS Dept (901)775-0100

Additional Information About This Product:

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.