

SAFETY DATA SHEET

Goof Off Graffiti Remover VOC Spray

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Printed: 01/06/2015
Revision: 12/23/2014
Supersedes Revision: 11/06/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Graffiti Remover VOC 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: Removal of paint, marker, crayon, ink, lipstick, nail and shoe polish, and candle wax.
Synonyms: FG670, FG672, FG672W

2. HAZARDS IDENTIFICATION

Flammable Gases, Category 1
Flammable Aerosols, Category 1
Gas Under Pressure, Compressed gas
Flammable Liquids, Category 2
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1
Germ Cell Mutagenicity, Category 1A
Toxic To Reproduction, Category 1B
Target Organ Systemic Toxicity (single exposure), Category 3
Aspiration Toxicity, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H220: Extremely flammable gas.
H229: Pressurized container: may burst if heated.
H280: Containers gas under pressure; may explode if heated.
H225: Highly flammable liquid and vapor.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H340: May cause genetic defects.
H360: May damage fertility or the unborn child.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.

GHS Precaution Phrases: P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211: Do not spray on an open flame or any other ignition source.
P251: Do not pierce or burn, even after use.
P233: Keep container tightly closed.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P243: Take precautionary measures against static discharge.
P242: Use only non-sparking tools.
P264: Wash hands thoroughly after handling.
P362+364: Take off contaminated clothing and wash it before reuse.
P261: Avoid breathing gas/mist/vapours/spray.

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P272: Contaminated work clothing should not be allowed out of the workplace.
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P281: Use personal protective equipment as required.
 P271: Use only outdoors or in a well-ventilated area.

GHS Response Phrases:

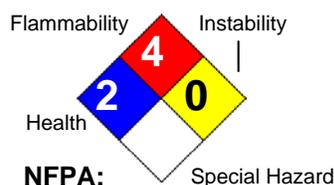
P377: Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
 P381: Eliminate all ignition sources if safe to do so.
 P370+378: In case of fire, use dry chemical powder to extinguish.
 P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P302+352: IF ON SKIN: Wash with plenty of soap and water.
 P321: Specific treatment see label.
 P332+313: If skin irritation occurs, get medical advice/attention.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER/doctor.
 P333+313: If skin irritation or rash occurs, seek medical advice/attention.
 P308+313: IF exposed or concerned: Get medical attention/advice.
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P312: Call a POISON CENTER/doctor if you feel unwell.
 P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P331: Do NOT induce vomiting.

GHS Storage and Disposal Phrases:

P403: Store in well-ventilated place.
 P410+412: Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
 P410+403: Protect from sunlight and store in well-ventilated place.
 P403+235: Store in cool/well-ventilated place.
 P501: Dispose of contents/container according to local, state and federal regulations.
 P405: Store locked up.
 P403+233: Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.

Hazard Rating System:

HEALTH	*	2
FLAMMABILITY		4
PHYSICAL		0
PPE		X

**HMIS:****OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):**INHALATION:**

High concentrations may lead to central nervous system effects including, drowsiness, dizziness, nausea, headaches, paralysis, loss of consciousness, and death. High vapor concentrations are irritating to the eyes, nose, throat, and lungs. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal.

EYE CONTACT:

Contact may cause moderate to severe irritation. May cause temporary corneal clouding.

SKIN CONTACT:

Prolonged or repeated contact can result in defatting, redness, drying of the skin which may result in skin irritation and dermatitis, burning sensation, and possible chemical burns to the skin.

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INGESTION:

Aspiration hazard. If ingested or vomited, material may enter lungs and produce damage. May produce central nervous system effects, which include dizziness, loss of balance and coordination, nausea, vomiting, unconsciousness, coma and even death.

CHRONIC OVEREXPOSURE EFFECTS:

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Intentional misuse by deliberately concentrating and inhaling solvents may be harmful or fatal.

TARGET ORGANS OR SYSTEM DAMAGE: eye, respiratory system, nervous system, kidneys, blood-related effects

ROUTES OF ENTRY: inhalation, skin, ingestion

Medical Conditions Generally Diseases and disorders of the skin, eye, and lungs (asthma-like conditions).

Aggravated By Exposure:

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-64-1	Acetone {2-Propanone}	43.0 %
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	26.0 %
67784-80-9	Methyl Soyate	<24.0 %
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester (Ethyl Lactate)	<24.0 %
68439-46-3	Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated)	> 4.2 %
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	10.0 %
NA	(Trade Secret)	> 2.9 %
94266-47-4	Citrus, ext. * Extractives and their physically modified derivatives such as tinctures, concretes,	6.8 %
66455-14-9	Alcohols, C12-13, ethoxylated	< 1.0 %

Additional Chemical Information

Percentages reflect formula w/out propellant

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Skin:
Remove contaminated clothing. Immediately wash skin thoroughly with large amounts of water and mild soap, if available. Seek medical attention if irritation develops or persists.

Eyes:
Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes. Seek medical attention.

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

Ingestion:
If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician, poison control center, or hospital emergency room immediately. Never give anything by mouth to an unconscious person.

Signs and Symptoms Of Exposure:

See Potential Health Effects.

Note to Physician:

Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

Level 3 Aerosol

Flash Pt: 0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: 1.8% UEL: 9.5%

Autoignition Pt: No data.

Suitable Extinguishing Media: Use carbon dioxide, dry powder, water spray, or foam.

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. 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 containers that have been exposed to intense heat or flame.

Flammable Properties and Hazards: FLASHPOINT OF LIQUID CONCENTRATE: 0 F

FLASHPOINT OF PROPELLANT: -138.23 F (closed cup)

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Vapors may cause flash fire or ignite explosively.

Clean up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.

Small spills: Take up with sand, earth or other noncombustible absorbent material and

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place in a plastic container where applicable.

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

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

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.

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.

Precautions To Be Taken in Storing:

Store in a cool, dry place. Do not store near flames or at elevated temperatures. Store out of direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-64-1	Acetone {2-Propanone}	PEL: 1000 ppm	TLV: 500 ppm STEL: 750 ppm	No data.
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	No data.	No data.	No data.
67784-80-9	Methyl Soyate	No data.	No data.	No data.
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester (Ethyl Lactate)	No data.	No data.	No data.
68439-46-3	Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated)	No data.	No data.	No data.
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No data.	No data.	No data.
NA	(Trade Secret)	No data.	No data.	No data.
94266-47-4	Citrus, ext. * Extractives and their physically modified derivatives such as tinctures, concretes,	No data.	No data.	No data.
66455-14-9	Alcohols, C12-13, ethoxylated	No data.	No data.	No data.

Respiratory Equipment (Specify Type):

For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors.

For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV.

A dust mask does not provide protection against vapors.

Eye Protection:

Safety glasses, chemical goggles, or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Chemical goggles or face shields are

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recommended when splashing or spraying of chemical is possible. A faceshield provides more protection to help reduce chemical contact to the face and eyes.

Protective Gloves:

Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

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. 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 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.

Discard any clothing or other protective equipment that cannot be decontaminated.

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[X] Gas [X] Liquid [] Solid
Appearance and Odor:	Off-white, opaque.
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	0.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: 1.8% UEL: 9.5%
Specific Gravity (Water = 1):	0.89
Density:	7.423 LB/GL
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	> 1
Evaporation Rate:	> 1
Solubility in Water:	Soluble

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Percent Volatile: 93.0 % by weight.
VOC / Volume: 46.2700 % WT

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: Strong oxidizers, strong acids, reactive metals (e.g. sodium, calcium, zinc, etc), materials reactive with hydroxyl compounds, copper alloys, alcohols, amines
Hazardous Decomposition Or Byproducts: Carbon monoxide, carbon dioxide, nitrogen oxides, oxides of citrus terpenes, aldehydes, flammable hydrocarbon fragments (e.g. acetylene)
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole.
CAS# 67-64-1:
Carcinogenicity/Other Information: 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# 872-50-4:
Reproductive Effects:, TDLo, Oral, Rat, 9700. MG/KG, female 6-15 day(s) after conception.
Result:
Effects on Embryo or Fetus: Fetal death.
Specific Developmental Abnormalities: Other developmental abnormalities.
- United States Environmental Protection Agency, Office of Pesticides and Toxic Substances., U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, 401 M St., SW, Washington, DC 20460, Vol/p/yr: 8EHQ-1087-,

Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Moderate.
Result:
Blood:Other hemolysis with or without anemia.
Blood:Other changes.
Biochemical: Metabolism (Intermediary): Other proteins.
- Food and Chemical Toxicology., Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, Vol/p/yr: 26,475, 1988
ACGIH A4 - Not Classifiable as a Human Carcinogen.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
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67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	n.a.	n.a.	n.a.	n.a.
67784-80-9	Methyl Soyate	n.a.	n.a.	n.a.	n.a.
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester (Ethyl Lactate)	n.a.	n.a.	n.a.	n.a.
68439-46-3	Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated)	n.a.	n.a.	n.a.	n.a.
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	n.a.	n.a.	n.a.	n.a.
NA	(Trade Secret)	n.a.	n.a.	n.a.	n.a.
94266-47-4	Citrus, ext. * Extractives and their physically modified derivatives such as tinctures, concretes,	n.a.	n.a.	n.a.	n.a.
66455-14-9	Alcohols, C12-13, ethoxylated	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 local, state, and federal laws.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Consumer Commodity, ORM-D

DOT Hazard Class:

UN/NA Number:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: UN1950, Aerosols, flammable, 2.1, Ltd. Qty.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: UN1950, Aerosols, flammable, 2.1, Ltd. Qty.

Additional Transport Information: The shipper/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

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

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone {2-Propanone}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
872-50-4	N-Methyl-2-pyrrolidone {2-Pyrrolidinone, 1-Methyl-; 1-Methylazacyclopentan-2-one}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test, 12(b); CA PROP.65: Yes
67784-80-9	Methyl Soyate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

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97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester (Ethyl Lactate)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
68439-46-3	Alcohol ethoxylate (Alcohols, C9-11, Ethoxylated)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
NA	(Trade Secret)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
94266-47-4	Citrus, ext. * Extractives and their physically modified derivatives such as tinctures, concretes,	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No
66455-14-9	Alcohols, C12-13, ethoxylated	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

16. OTHER INFORMATION

Revision Date: 12/23/2014

Preparer Name: W.M. Barr EHS Dept (901)775-0100

Additional Information About This Product: No data available.

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.