

SAFETY DATA SHEET

Goof Off Professional Strength VOC Aerosol

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Printed: 04/16/2015

Revision: 04/16/2015

Supersedes Revision: 03/27/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Professional Strength VOC Aerosol

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: Multi-Purpose Remover for tar, ink, paint, adhesive, etc.

Synonyms: FG658, FG658B

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

Flammable Aerosols, Category 1
Gas Under Pressure, Liquefied gas
Serious Eye Damage/Eye Irritation, Category 2A
Germ Cell Mutagenicity, Category 1A
Carcinogenicity, Category 2
Specific Target Organ Toxicity (single exposure), Category 3
Aspiration Toxicity, Category 1
Simple Asphyxiant



GHS Signal Word: Danger

GHS Hazard Phrases: H223: Flammable aerosol.
H280: Containers gas under pressure; may explode if heated.
H304: May be fatal if swallowed and enters airways.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H340: May cause genetic defect.
H351: Suspected of causing cancer.

GHS Precaution Phrases: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
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: Pressurized container: Do not pierce or burn, even after use.
P261: Avoid breathing gas/mist/vapors/spray.
P264: Wash hands thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.

GHS Response Phrases: P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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GHS Storage and Disposal 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. P308+313: IF exposed or concerned: Get medical attention/advice. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P331: Do NOT induce vomiting. P337+313: If eye irritation persists, get medical advice/attention. 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.													
Hazard Rating System:	<table border="1"><tr><td>HEALTH</td><td>*</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td></td><td>4</td></tr><tr><td>PHYSICAL</td><td></td><td>0</td></tr><tr><td>PPE</td><td></td><td>X</td></tr></table>	HEALTH	*	2	FLAMMABILITY		4	PHYSICAL		0	PPE		X	 <p>Flammability 4 Instability 1 Health 2 Special Hazard 0 NFPA:</p>
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: ACUTE (IMMEDIATE): Causes respiratory tract irritation. CHRONIC (DELAYED): May be harmful if inhaled. SKIN: ACUTE (IMMEDIATE): Causes skin irritation. CHRONIC (DELAYED): May cause defatting of skin after prolonged or repeated exposure. This product can be absorbed through skin. EYE: ACUTE (IMMEDIATE): Causes severe eye irritation. CHRONIC (DELAYED): No Data Available INGESTION: ACUTE (IMMEDIATE): May cause irritation to the mouth, throat, and stomach. Aspiration hazard if swallowed - may enter lungs and cause damage. CHRONIC (DELAYED): May be harmful if ingested.													
	CARCINOGENIC EFFECTS: This product contains ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans.													
	OTHER CHRONIC EFFECTS: This product contains ingredients that may contribute to the following potential chronic health effects: Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.													
Medical Conditions Generally Aggravated By Exposure:	Skin and Respiratory Conditions													

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3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
67-64-1	Acetone {2-Propanone}	60.0 -100.0 %	AL3150000
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	<15.0 %	NA
64742-47-8	Hydrotreated light distillate (petroleum)	<15.0 %	OA5504000
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	<10.0 %	ZE2100000
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	< 5.0 %	KJ9100000
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	< 5.0 %	DA0700000

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

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

INHALATION: Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.

SKIN: Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

EYE: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If medical assistance is not immediately available, flush an additional 15 minutes. Get medical attention immediately.

INGESTION: Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.

Signs and Symptoms of Exposure:

ROUTE OF ENTRY: Inhalation, Skin/Dermal, Eye/Ocular, Ingestion/Oral

TARGET ORGANS: Central Nervous System (CNS), Blood and/or Immune System, Liver, Kidney

5. FIRE FIGHTING MEASURES

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

Explosive Limits: LEL: 1 % UEL: 13 %

Autoignition Pt: No data.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam and/or water fog.

Unsuitable Extinguishing Media: None known.

Fire Fighting Instructions: Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

Flammable Properties and Hazards:

Flashpoint of liquid concentrate: 0 degrees F.

Flashpoint of propellant: -138.23 degrees F.

LEL of propellant: 1.8 %

Level 3 Aerosol

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6. ACCIDENTAL RELEASE MEASURES

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

PERSONAL PRECAUTIONS: Use self-containing breathing apparatus or air-mask for large spills in a confined area. Avoid contact with eyes.

EMERGENCY PROCEDURES: Ventilate the area. Avoid breathing dust or vapor. Remove all sources of ignition. Use only non-sparking tools.

ENVIRONMENTAL PRECAUTIONS: Do not allow spilled material to enter waterways.

CONTAINMENT/CLEAN-UP MEASURES: Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

Precautions To Be Taken in Storing: Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 Section 22.

Empty containers may contain product residue, including flammable or explosive vapors.

Level 3 Aerosol

Other Precautions: Keep away from heat, sparks and open flame. No smoking.

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.
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No data.	No data.	No data.
64742-47-8	Hydrotreated light distillate (petroleum)	No data.	TLV: 200 mg/m3	No data.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm	No data.
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}	No data.	No data.	No data.
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	PEL: 100 ppm	TLV: 100 ppm STEL: 125 ppm	No data.

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Respiratory Equipment (Specify Type):	If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.
Eye Protection:	Chemical goggles, also wear a face shield if splashing hazard exists.
Protective Gloves:	Appropriate chemical resistant gloves should be worn that are compatible with the ingredients, such as rubber or nitrile.
Other Protective Clothing:	To prevent skin contact wear protective clothing covering all exposed areas. Various application methods can dictate the use of additional protective safety equipment, such as impermeable aprons to minimize exposure.
Engineering Controls (Ventilation etc.):	Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment. 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:	A source of clean water should be available in the work area for flushing of eyes and skin. Wash hands thoroughly after use and before eating, drinking, or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	<input checked="" type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	Colorless, transparent, solvent odor.
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 % UEL: 13 %
Specific Gravity (Water = 1):	No data.
Density:	6.725 (of - concentrate) LB/GL
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	> 1
Evaporation Rate:	> 1
Solubility in Water:	Partial

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Percent Volatile: 99.0 % by weight.

VOC / Volume: 20.0000 % WT

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Heat

Instability:

Incompatibility - Materials To Strong oxidizing and reducing agents.

Avoid:

Hazardous Decomposition Or Carbon monoxide and carbon dioxide.

Byproducts:

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

Reactions:

Conditions To Avoid - No data available.

Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Information below will be for individual ingredients. Refer to section 2 for acute and chronic 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 Toxologickeho Vysetreni Latek A Pripravku," , Institut Pro Vychovu Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu Praha Czechoslovakia, Vol/p/yr: -,24, 1972

CAS# 112-34-5:

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

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Chronic Toxicological Effects:

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

CAS# 100-41-4:
 Tumorigenic Effects:, TClO, Inhalation, Rat, 750.0 ppm.

Result:
 Tumorigenic: Carcinogenic by RTECS criteria.
 Kidney, Ureter, Bladder: Tumors.

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

Carcinogenicity/Other Information:

IARC 2B - Possibly Carcinogenic to Humans
 IARC 3: Not Classifiable as to Carcinogenicity in Humans.
 ACGIH A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
 ACGIH A4 - Not Classifiable as a Human Carcinogen.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-64-1	Acetone {2-Propanone}	n.a.	n.a.	A4	n.a.
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	n.a.	n.a.	n.a.	n.a.
64742-47-8	Hydrotreated light distillate (petroleum)	n.a.	n.a.	A4	n.a.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	n.a.	3	A4	n.a.
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}}	n.a.	n.a.	n.a.	n.a.
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	n.a.	2B	A3	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information:

Product has not been tested as a whole.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Dispose of waste at an approved hazardous waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations.

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14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Consumer Commodity ORM-D
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Consumer Commodity ORM-D

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

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 5000 LB	No
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No	No	No
64742-47-8	Hydrotreated light distillate (petroleum)	No	No	No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes 100 LB	Yes
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}}	No	No	Yes-Cat. N230
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	No	Yes 1000 LB	Yes

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
for SARA Title III Sections Yes No Fire Hazard
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes 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
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
64742-47-8	Hydrotreated light distillate (petroleum)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory; CA PROP.65: No
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	CAA HAP,ODC: HAP; CWA NPDES: Yes; TSCA: Yes - Inventory, 4 Test; CA PROP.65: Yes

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16. OTHER INFORMATION

Revision Date: 04/16/2015

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

Additional Information About 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.