

Goof Off Pro Strength Remover Aerosol

Printed: 05/16/2024

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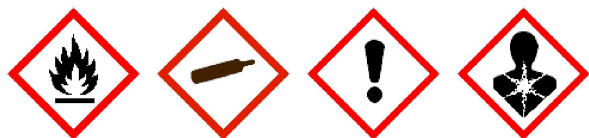
Supersedes Revision: 05/16/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Goof Off Pro Strength Remover Aerosol
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: General Purpose Adhesive Remover
Product Code: FG658, FG658ES; FG6583

2. HAZARDS IDENTIFICATION

Flammable Aerosols, Category 1
 Gas Under Pressure, Liquefied gas
 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: H222 - Extremely 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 defects .
 H351 - Suspected of causing cancer .
 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.
 P210 - Keep away from heat, hot surfaces, sparks, open flams and other ignition source.
 No smoking.
 P211 - Do not spray on an open flame or any other ignition source.
 P251 - Do not pierce or burn, even after use.
 P261 - Avoid breathing dust/fume/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.
 P308 - IF exposed or concerned:
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

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GHS Storage and Disposal Phrases:

P331 - Do NOT induce vomiting.
P337+313 - If eye irritation persists, get medical advice/attention.
P403 - Store in well-ventilated place.
P405 - Store locked up.
P410 - Protect from sunlight.
P412 - Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container according to local, state and federal regulations.

OSHA Regulatory Status:
Potential Health Effects
(Acute and Chronic):

This material is classified as hazardous under OSHA regulations.

Inhalation:

Causes respiratory tract irritation.
May be harmful if swallowed or inhaled.

Skin:

May cause skin irritation.
Repeated or prolonged exposure may cause drying and cracking of the skin. Substance can be absorbed through the skin in harmful amounts.

Eye:

Contact causes severe eye irritation.
Not available.

Ingestion:

Dispose in accordance with applicable local, state, and federal regulations. Toxic and is harmful if swallowed; may produce [specific organ] damage.
May be harmful if swallowed and enters airways.

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. 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.

Medical Conditions Generally May cause diseases of the eyes, skin, liver, kidneys, and respiratory system.
Aggravated By Exposure:

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #	Molecular Formula
67-64-1	Acetone {2-Propanone}	60.0 -80.0 %	AL3150000	C3H6O
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	7.0 -13.0 %	NA	NA
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	5.0 -10.0 %	OA5504000	?
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	5.0 -10.0 %	ZE2100000	C6H4(CH3)2
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	1.0 -5.0 %	DA0700000	CH3CH2C6H5

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112-34-5 Diethylene glycol monobutyl ether 0.1 -1.0 % KJ9100000 CH₃(CH₂)₃OCH₂CH₂OCH₂C
{2-(2-Butoxyethoxy)ethanol {(a glycol ether)}} H₂OH

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

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately.

Skin: Remove contaminated clothing and shoes. In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Wash with soap and water. Get medical attention if irritation develops or persists. Remove all contaminated clothing.

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If medical assistance is not immediately available, flush an additional 15 minutes. Get medical attention immediately.

Ingestion: Rinse mouth with water. Drink one or two glasses of water or milk. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If spontaneous vomiting is about to occur, place victim's head below knees. 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

Flammability Classification: NFPA Class IC

Flash Point: < 0.00 F (-17.8 C) Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits: LEL: N.D. UEL: N.D.

Autoignition Pt: N.D.

Suitable Extinguishing Media: Water fog, foam, dry chemical powder or carbon dioxide.

Unsuitable Extinguishing Media: None known.

Fire Fighting Instructions: Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Use water spray to keep fire-exposed containers cool.

Flammable Properties and Hazards:

Flashpont of liquid concentrate: 0 degrees F.

Flashpont of liquid concentrate: -144.78 degrees F.

LEL of propellant: 1.8 %

UEL of propellant: 9.5%

Level 3 Aerosol.

Hazardous Combustion Products: Carbon monoxide and carbon dioxide.

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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.

Ventilate the area. Avoid breathing vapors, mist or gas. 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 pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. 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:

Store as a Level 3 Aerosol NFPA.

Keep container closed when not in use. Contents under pressure. Do not expose to heat or store above 122 F or 50 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 retain product residue, (liquid and/or vapor), and can be dangerous.

Other Precautions:

Keep away from heat, sparks, and open flame. Keep away from sources of ignition - No smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-64-1	Acetone {2-Propanone}	ACGIH TLV	TLV: 500 ppm	
			STEL: 750 ppm	
		OSHA PELs	PEL: 1000 ppm	
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	ACGIH TLV	TLV: 200 mg/m3	
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	ACGIH TLV	TLV: 100 ppm	
			STEL: 150 ppm	
		OSHA PELs	PEL: 100 ppm	
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	ACGIH TLV	TLV: 100 ppm	
			STEL: 125 ppm	
		OSHA PELs	PEL: 100 ppm	

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Personal Protective**Equipment Symbols:****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. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Eye Protection:

Chemical goggles, also wear a face shield if splashing hazard exists.

Protective Gloves:

Appropriate chemical resistant gloves should be worn, such as nitrile or rubber.

Other Protective Clothing:

Wear appropriate protective clothing to prevent skin exposure.

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

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

Use only in a chemical fume hood. 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:**

[X] Gas [X] Liquid [] Solid

Appearance and Odor:

Clear, colorless with a solvent type odor.
Odor threshold not determined.

pH:

N.A.

Melting Point:

No data.

Boiling Point:

> 99.90 F (37.7 C)

Flash Point:

< 0.00 F (-17.8 C) Setaflash Closed Cup (Rapid Setaflash)

Evaporation Rate:

> 1 (BuAC=1)

Flammability (solid, gas):

No data available.

Explosive Limits:

LEL: N.D. UEL: N.D.

Vapor Pressure:

N.D.

Vapor Density (vs. Air=1):

> 1 Air = 1

Specific Gravity (Water=1):

0.788 - 0.808

Density:

6.56 - 6.72 LB/GL

Solubility in Water:

Mostly

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Saturated Vapor Concentration: N.D.

Octanol/Water Partition Coefficient: No data.

Percent Volatile: 100.0 % by weight.

VOC / Volume: 20.0000 % WT

Autoignition Pt: N.D.

Decomposition Temperature: No data.

Viscosity: < 10 CPS

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Heat.

Incompatibility - Materials To Avoid: Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide and carbon dioxide.

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. 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

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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 Vedoucicn P, Marhold, J.V., Institut Pro Vychovu Vedoucicn, Pracovniku Chemickeho, Prumyclu 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.

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# 112-34-5:

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

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

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, mineral spirits)	n.a.	n.a.	A4	n.a.
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	n.a.	3	A4	n.a.
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	n.a.	2B	A3	n.a.
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}}	n.a.	n.a.	n.a.	n.a.

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12. ECOLOGICAL INFORMATION

General Ecological Information: This 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.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Aerosols, flammable.
DOT Hazard Class: 2.1 FLAMMABLE GAS
UN/NA Number: UN1950



Additional Transport Information: The shipper / supplier may be able to apply one of the following exceptions if allowed under 49 CFR Regulations: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49 CFR Hazmat Regulations. Please consult 49 CFR Subchapter C to ensure that subsequent shipments comply with these exceptions. 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
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No	No	No
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	No	No	No
1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	No	Yes NA	Yes (10%)
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	No	Yes NA	Yes (5%)
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}}	No	No	Yes-Cat. N230 (1%)

EPA SARA Title III Section 313 Toxic Release Inventory.

This product contains a toxic chemical or chemicals subject to the reporting requirements of EPCRA Section 313 (40 CFR Section 372).

California Proposition 65



WARNING

This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-64-1	Acetone {2-Propanone}	TSCA: Inventory
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	TSCA: Inventory
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	TSCA: Inventory

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1330-20-7	Xylene (mixed isomers) {Benzene, dimethyl-}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory
100-41-4	Ethylbenzene {Ethylbenzol; Phenylethane}	CAA HAP,ODC: HAP: VHAP CWA NPDES TSCA: Inventory CA PROP.65: Yes: Canc.
112-34-5	Diethylene glycol monobutyl ether {2-(2-Butoxyethoxy)ethanol {(a glycol ether)}}	CAA HAP,ODC: HAP - Cat. 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.

16. OTHER INFORMATION

Revision Date: 05/16/2024 **Previous revision:** 05/16/2023

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 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.