



Have fun in your garage![®]

Safety Data Sheet

Carpet Spot Remover

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer Griot's Garage Inc., 3333 South 38th St., Tacoma, WA · 800-345-5789 - www.griotsgarage.com
Product Family Car Care
Trade Name(s) Carpet Spot Remover
Product ID 11375
Recommended Uses Carpet spot cleaner
Preparation Date April 22, 2015

24-Hour Emergency Phone Number, Contact 800-345-5789

SECTION 2: HAZARD IDENTIFICATION

GHS Classification

Health Hazard: Serious Eye Damage/ Irritation – 2 Skin Corrosion/Irritation – 2

Physical Hazard Flammable Aerosols - 1

Environmental Hazard Hazardous to the aquatic environment, acute - 3

Signal Word DANGER



Hazard Statements

Extremely flammable aerosol
 Causes serious eye irritation.
 Causes skin irritation.

Precautionary Statements:

Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Do not spray on an open flame of other ignition source.
 Pressurized container.
 Do not pierce or burn, even after use.
 Wash hands or other contact areas thoroughly after handling.
 Wear eye/face protection.
 Wear protective gloves.

Response: **If swallowed:** Rinse mouth. Do NOT induce vomiting
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash before reuse.

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	Weight %
2-Butoxyethanol	111-76-2	2.5 -10
Butane	106-97-8	2.5 -10
Diethylene Glycol Monobutyl Ether	112-34-5	2.5 -10
Propane	74-98-6	1 – 2.5
Other components below reportable levels		60 – 80

Safety Data Sheet: Wash and Wax

SECTION 4: FIRST AID MEASURES

Inhalation	Immediately remove affected person from source of exposure and to fresh air. Keep person calm. Get medical attention if breathing difficulty or discomfort persists.
Skin Contact	Immediately remove contaminated clothing. Wash area of contact with soap and water. Wash clothing before reuse. Get medical attention if irritation occurs and persists.
Eye Contact	Remove contact lenses. Flush with water until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed: Skin irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed: Treat symptomatically.

General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Water fog, Carbon Dioxide, or Dry Chemical.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from Chemical:	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
Special Protective Equipment and Precautions for Firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting Procedures:	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.
General Fire Hazards:	Extremely flammable aerosol.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.
Spill Mitigation Procedure	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.
Environmental Precautions	Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

Handling	Do not handle or store near an open flame, heat or other sources of ignition. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not spray on a naked flame or any other incandescent material. Use only in well-ventilated areas. Provide adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and clothing. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not re-use empty containers. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Storage	Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol.

Safety Data Sheet: Wash and Wax

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	PEL	240 mg/m ³
Propane (CAS 74-98-6)	PEL	50 ppm, 1800 mg/m ³ , 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Butane (CAS 106-97-8)	STEL	1000 ppm	
Diethylene Glycol Monobutyl Ether (CAS 112-34-5) Monobutyl Ether (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	24 mg/m ³
Butane (CAS 106-97-8)	TWA	5 ppm, 1900 mg/m ³ , 800 ppm
Propane (CAS 74-98-6)	TWA	800 ppm, 1800 mg/m ³ , 1000 ppm

Biological Limit Values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
2-Butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic acid With hydrolysis	Creatinine in urine	**

** For sampling details, please see the source document.

Exposure Guidelines

- US – California OELs: Skin Designation**
2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin
- US – Minnesota Haz Subs: Skin Designation Applies**
2-Butoxyethanol (CAS 111-76-2) Skin designation applies.
- US – Tennessee OELs: Skin Designation**
2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin
- US. NIOSH: Pocket Guide to Chemical Hazards: Skin Designation**
2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin
- US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**
2-Butoxyethanol (CAS 111-76-2) Can be absorbed through the skin

Engineering Controls

Explosion-proof general and local exhaust ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Eye and Face Protection

Wear safety glasses with side shields or goggles.

Hand Protection

Wear protective gloves.

Skin Protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal Hazards

Wear appropriate thermal protective clothing, when necessary.

General Hygiene Considerations

When using do not smoke. Always observe food personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Safety Data Sheet: Wash and Wax

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear	Upper/Lower Explosive Limit	Not available
Physical State	Gas	Vapor Pressure	50-60 psig @70 est.
Form	Aerosol	Vapor Density	Not available
Color	Colorless	Relative Density	Not available
Odor	Butyl	Water Solubility	Not available
Odor Threshold	Not available	Partition Coefficient (n-octanol/water)	Not available
pH	11-12.5 estimated	Auto-Ignition Temperature	446°F (230°C) est.
Melting/Freezing Point	Not available	Decomposition Temperature	Not available
Initial Boiling Point	222.87°F (106.04°C) est.	Viscosity	Not available
Flash Point	-156.°F (-104.4°C) Propellant est.	Other Information	
Evaporation Rate	Not available	Specific Gravity	0.99-1 est.
Flammability (solid, gas)	Not available		
Upper/Lower Flammability	Not available		

SECTION 10: STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability	material is stable under normal conditions.
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use.
Hazardous Polymerization	Will not occur
Stability/Incompatibility	Avoid contact with strong oxidizers.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials. Fire or intense heat may cause violent rupture of packages.
Hazardous Reactions/Decomposition Products	No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION
Likely Routes of Exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	No adverse effects due to inhalation are expected.
Skin Contact	Causes skin irritation.
Eye Contact	Causes serious eye irritation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Skin irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

Information on Toxicological Effects

Acute Toxicity Components Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components	Species	Test Results
2-Butoxyethanol (CAS 111-76-2)		
Acute		
<i>Dermal</i>		
LD50	Guinea pig	230 ml/kg, 24 Hours
		7.3 ml/kg, 4 Days
	Rabbit	450 ml/kg 24 Hours
		435 mg/kg 24 Hours
	Rat	0.63 ml/kg
		>2000 mg/kg 24 Hours
<i>Inhalation</i>		
LC50	Rabbit	400 ppm 7 Hours
	Rat	450 ppm 4 Hours
<i>Oral</i>		
LD100	Rabbit	695 mg/kg

Safety Data Sheet: Wash and Wax

LD50	Dog	> 695 mg/kg	
	Guinea pig	1200 mg/kg	
	Rat	5300-2800 mg/kg	
Butane (CAS 106-97-8)			
Acute			
<i>Inhalation</i>			
LC50	Mouse	1237 mg/l, 120 Minutes	
		52%, 120 Minutes	
	Rat	1355 mg/l	
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)			
Acute			
<i>Dermal</i>			
LD50	Guinea pig	2 ml/kg	2 Days
	Rabbit	2764 mg/kg	24 Hours
<i>Oral</i>			
LD100	Rabbit	4000 mg/kg	
LD50	Guinea pig	2000 mg/kg	
	Mouse	2410 mg/kg	
	Rabbit	2500-3000 mg/kg	
	Rat	3306 mg/kg	
Propane (CAS 74-98-6)			
Acute			
<i>Inhalation</i>			
LC50	Mouse	1237 mg/l, 120 Minutes	
		52%, 120 Minutes	
	Rat	1355 mg/l	
		658 mg/l	4 Hours
Skin Corrosion/Irritation	Causes skin irritation.		
Serious Eye Damage/Eye Irritation	Causes serious eye irritation.		
Respiratory or Skin Sensitization			
Respiratory Sensitization	Not a respiratory sensitizer.		
Skin Sensitization	This product is not expected to cause skin sensitization.		
Germ Cell Mutagenicity	Not data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA		
IARC Monographs. Overall Evaluation of Carcinogenicity			
2-Butoxyethanol (CAS 111-76-2)	3 – Not classifiable as to carcinogenicity to humans.		
OSHA Specifically Regulated Substances (29 CFR 1900.1001-1040)			
Not listed			
Reproductive Toxicity	This product in not expected to cause reproductive or developmental effects.		
Specific Target Organ Toxicity – Single Exposure	Not classified.		
Specific Target Organ Toxicity – Repeated Exposure	Not classified.		
Aspiration Hazard	Not an aspiration hazard.		

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Safety Data Sheet: Wash and Wax

Product	Species		Test Results
Carpet Spot Remover	—		
Aquatic			
Crustacea	EC50	Daphnia	16680.9902 mg/l 48 Hours Est.
Fish	LC50	Fish	8063.4834 mg/l 96 Hours Est.

Components	Species		Test Results
2-Butoxyethanol (CAS 111-76-2)	—		
Aquatic			
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/l 96 Hours
Diethylene Glycol Monobutyl Ether (CAS 112-34-5)			
Aquatic			
Fish	LC50	Bluegill (Lepomis macrochirus)	1300 mg/l 96 Hours

Persistence and Biodegradability Not available.
Bioaccumulative Potential Not available

Partition Coefficient n-octanol/water (log Kow)

2-Butoxyethanol	0.83
Butane	2.89
Diethylene Glycol Monobutyl Ether	0.56
Propane	2.36

Mobility in Soil Not available.
Other Adverse Effects Not available.

SECTION 13: DISPOSAL CONSIDERATION

- Disposal Instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
- Hazardous Waste Code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
- Waste from Residues/Unused Products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal Instructions).
- Contaminated Packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

- DOT**
- UN Number** UN1950
 - UN Proper Shipping Name** Aerosols, flammable.
 - Transport Hazard Class(es)**
 - Class** 2.1
 - Subsidiary risk** -
 - Labels** 2.1
 - Packing Group** Not applicable.
 - Special Precautions for user** Read safety instructions, SDS and emergency procedures before handling.
 - Special Provisions** N82
 - Packing Exceptions** 306
 - Packaging Non-Bulk** None
 - Packaging Bulk** This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for

Safety Data Sheet: Wash and Wax

packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA

UN Number	UN1950
UN Proper Shipping Name	Aerosols, flammable.
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	-
Labels	2.1
Packing Group	Not applicable.
Environmental Hazards	No.
ERG Code	10L
Special Precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other Information	
Passenger and Cargo	Allowed
Cargo Aircraft Only	Allowed.
Packaging Exceptions	LTD QTY

IMDG

UN Number	UN1950
UN Proper Shipping Name	AEROSOLS
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	-
Labels	2.1
Packing Group	Not applicable
Environmental Hazards	
Marine Pollutant	No.
EmS	Not available
Special Precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

DOT



IATA; IMDG



SECTION 15: REGULATORY INFORMATION

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Safety Data Sheet: Wash and Wax

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	
Immediate Hazard -	Yes
Delayed Hazard -	No
Fire Hazard -	Yes
Pressure Hazard -	No
Reactivity Hazard -	No
SARA 302 Components:	Not listed.
SARA 313 (TRI Reporting):	Not regulated.
SARA 311/312 Hazards:	No chemical
Other Federal Regulations	
Clean Air Act (CCA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated.
Clean Air Act (CCA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	
Butane (CAS 106-97-8)	
Propane (CAS74-98-6)	
Safe Drinking Water Act (SWDA)	Not regulated.
Toxic Substances Control Act (TCSA) Inventory	Yes

US State Regulations

Massachusetts Right To Know Components:

2-Butoxyethanol (CAS 111-76-2)
Butane (CAS 106-97-8)
Propane (CAS74-98-6)

New Jersey Right To Know Components:

2-Butoxyethanol (CAS 111-76-2)
Butane (CAS 106-97-8)
Propane (CAS74-98-6)

Pennsylvania Right To Know Components:

2-Butoxyethanol (CAS 111-76-2)
Butane (CAS 106-97-8)
Propane (CAS74-98-6)

Rhode Island Right To Know Components

Butane (CAS 106-97-8)
Propane (CAS74-98-6)

California Prop. 65 Component:

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Canada

Domestic Substances List (DSL)	Yes
Non-Domestic Substances List (NSDL)	No

SECTION 16: OTHER INFORMATION

Disclaimer: The data presented here relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process. The information set forth above is based on technical data believed to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, no warranties, expressed or implied are made, and no liability is assumed in connection with any use of this information. Judgments as to the suitability of this information for the user's purposes are necessarily the user's responsibility. Although reasonable care has been taken in the preparation of this information, no responsibility is assumed as to the accuracy or suitability of this information for its application to the users intended purpose or for consequences of its use.

Potential Health Effects: This product is a mixture for which no specific health hazard data exists. OSHA requires that one should assume such mixtures present the same health hazards as do any components present in amounts greater than 1% (0.1% for carcinogens). Consumers accessing our SDS information should keep in mind the information is presented in a format required by the U.S. Government's Occupational Safety and Health Administration (OSHA). We provide SDS as a service for our business customers. These industrial SDSs are not applicable to consumer use of these products. We thoroughly evaluate the safety aspects of all of our consumer products prior to their use in the home