



Have fun in your garage!®

Safety Data
Sheet

Black Shine Tire and Trim Coating

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) Black Shine Tire and Trim Coating
Product ID 10938
Recommended Uses Tire Care
Preparation/Revision March 7, 2018

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

SECTION 2: HAZARD IDENTIFICATION

GHS Classification



Hazard Symbols:

Signal Word – DANGER

Classification Flam. Aerosol 1; Liquefied gas; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1

Hazard Statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Precautionary Statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Use only outdoors or in a well-ventilated area.
Avoid breathing gas/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin after use.
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
Store in a well-ventilated place. Do not use in confined spaces.
Do not handle until all safety precautions have been read and understood.
Keep out of the reach of children.

Other Hazards: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
Polymer	40 - 50	Trade Secret	Not classified as hazardous for supply/use
1,1-Difluoroethane	25 - 35	75-37-6	Flam. Gas 1: H220 Liquified Gas; H280 Simple Asphyxiant

Acetone	10 - 30	67-64-1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Heptane, branched, cyclic and linear	1 - 12	426260-76-6	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Acute 2; H401 Aquatic Chronic 3; H412

Additional Information - None

SECTION 4: FIRST AID MEASURES

Inhalation Remove affected person from source of exposure to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact Wash area of contact with soap and water. Wash clothing before reuse. Get medical attention if symptoms develop.

Eye Contact IF IN EYES: Rinse carefully with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. 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 Unlikely to be required but if necessary treat symptomatically. Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed: May be fatal if swallowed and enters airways. Do NOT induce vomiting.

Indication of any immediate medical attention and special treatment needed: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable Extinguishing Media Do not use water jet.

Special hazards arising from the substance or mixture

Pressurized container: May burst if heated.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep away from heat/sparks/open flames/hot surfaces – No smoking. Avoid contact with skin and eyes. Avoid breathing gas/spray. Wear protective gloves/eye protection.

Environmental precautions:

Prevent liquid entering sewers, basements, and work pits.

Methods and material for containment and cleaning up:

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections:

None

Additional Information:

None

SECTION 7: Handling and Storage**Precautions for Safe Handling**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area. Do not use in confined spaces.

Conditions for safe storage, including any incompatibilities

Storage Temperature -

Store locked up. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Keep container tightly closed.

Incompatible Materials –

This product should be stored away from sources of strong heat or oxidizing chemicals.

Specific End Use Automotive detailing.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PE L	TLV (ACGIH)	
Acetone	67-64-1	1000 ppm	500 ppm	-----	750 ppm	^NIC
Heptane, branched, cyclic and linear	426260-76-6	500 ppm*	1500 mg/m ³	-----	-----	*n-heptane

Recommended Monitoring Method NIOSH 1500 (hydrocarbons, B.P. 36 -126°C)

Exposure Controls

Appropriate Engineering Controls Ensure adequate ventilation.

Personal Protection EquipmentEye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand Protection/Other)

Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber).

Respiratory protection

Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal Hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Aerosol spray	Flash Point (°C)	-50, est. (1,1-Difluoroethane)
Density (Water=1)	Not available	Flammability (solid, gas)	Extremely flammable
pH	Not available	Explosive Limit Ranges	3.9% - 16.9% v/v (1,1-Difluoroethane)
Solubility in Water	0.28% @ 21°C (1,1-Difluoroethane)	Auto-ignition Temp (°C)	440 (1,1-Difluoroethane)
Odor	Slightly ethereal	Decomposition Temperature	Not Applicable

Odor Threshold (ppm)	Not available	Vapor Pressure (Pascal)	5.3 x 10 ⁵ @ 21°C (1,1-Difluoroethane)
Melting/Freezing Point (°C)	Not available	Vapor Density (Air=1)	2.4 (1,1-Difluoroethane)
Boiling Range (°C)	-25 (1,1-Difluoroethane)	Partition Coefficient	Not Applicable
Evaporation Rate	>1 (Ethyl ether =1) (1,1-Difluoroethane)	Kinematic Viscosity (cSt)	< 20.5
Oxidizing Properties	Not oxidizing	Explosive Properties	Not Explosive

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions of use.
Chemical Stability	Stable under normal conditions of use.
Possibility of Hazardous Reactions	None anticipated.
Conditions to Avoid	Avoid contact with heat and ignition sources.
Incompatible Materials	This product should be stored away from sources of strong heat or oxidizing chemicals.
Hazardous Decomposition Products(s)	Carbon Monoxide, Carbon dioxide, Acrid Smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Acetone (CAS# 67-64-1)

Acute toxicity
 Oral: LD50 = 5800 mg/kg (rat)
 Dermal: LD50 > 15800 mg/kg (rabbit)
 Inhalation: LC50 76 mg/L ((4 hourss (rat)) Vapors may cause drowsiness or dizziness.

Irritation/Corrosion
 Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization
 It is not a skin sensitizer.

Carcinogenicity
 It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity
 Negative.

Reproductive toxicity
 Negative.

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Acute toxicity
 Oral: LD50 >5 g/kg-bw
 Dermal: LD50 >2 g/kg-bw
 Inhalation: LC50 = 65 - 103 mg/L (Vapour), 4-hr. rat
 May cause drowsiness or dizziness.

Irritation/Corrosivity
 May be fatal if swallowed and enters airways.
 Causes skin irritation. Repeated exposure may cause skin dryness or cracking. May cause eye irritation.

Sensitisation
 It is not a skin sensitiser.

Repeated dose toxicity
 NOAEC: 12350 mg/m³ (2 yr, inhal., rat, Systemic effects)
 LOAEC: 1650 mg/m³ (2 hr, inhal., rat, CNS effects)
 May cause drowsiness or dizziness.

Carcinogenicity
 No data. It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity
Toxicity for reproduction

There is no evidence of mutagenic potential.
No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Short term	LL50 (96 hour): >13.4 mg/L (<i>Oncorhynchus mykiss</i>) EL50 (48 hour): 3 mg/l (<i>Daphnia magna</i> , mobility) EC50 (96 hour): 13 mg/l (<i>Pseudokirchnerella subcapitata</i>)
Long Term	NOELR (28 days) 1.5 mg/l (<i>Fish</i>) QSAR LOEC (21 days): 0.32 mg/l (<i>Daphnia magna</i>) NOEL (96 hour) 6.3 mg/l (Algae)
Persistence and degradability	Readily biodegradable.
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATION

Waste treatment methods

Disposal should be in accordance with local, state, or national legislation.
Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Acetone	67-64-1	20	5000

SARA 311/312 - Hazard Categories: See Section 2: HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	---	---

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

SECTION 16: OTHER INFORMATION

Hazard Statement(s) and Risk Phrases Listed in: Section 2/Section 3:

Hazard Statement(s)

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapour.
- H280: Contains gas under pressure; may explode if heated.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H336: May cause drowsiness or dizziness.
- H401: Toxic to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

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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 SDS 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.

Prepared By:

Griot's Garage