

Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations



Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/02/2018 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Engine Bay Dressing

1.2. Recommended use and restrictions on use

Recommended use : Auto care product

1.3. Supplier

Griot's Garage Inc.
3333 South 38th Street, Tacoma, WA 98409
2185 Airwest Blvd., Plainfield, IN 46168
Telephone: 800-345-5789
Fax: 888-252-2252
Email: info@griotsgarage.com
Website: www.griotsgarage.com

1.4. Emergency telephone number

Emergency number : 800-345-5789

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US):

DANGER

Hazard statements (GHS-US):

Causes skin irritation
Causes serious eye irritation.
May cause respiratory irritation. May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.
Extremely Flammable Aerosol
Contains gas under pressure; may explode if heated

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear eye protection / face protection / protective gloves
Avoid breathing fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. -No smoking.
Do not spray on an open flame or other ignition source.

Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Pressurized container: Do not pierce or burn, even after use

Precautionary Statements - Response

Specific treatment (see first aid on this label)

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/attention

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Immediately call a POISON CENTER /doctor/physician

Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed.

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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards which do not result in classification

None

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%*
PROPANE/ISOBUTANE/N-BUTANE	(CAS No) 68476-86-8	40-50
HEPTANE	(CAS No) 64742-49-0	20-30
METHYL ACETATE	(CAS No) 79-20-9	10-20
DIMETHYL POLYSILOXANE	(CAS No) 63148-62-9	1-10

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: First-aid measures

4.1. Description of first aid measures

General advice

Avoid contact with eyes, skin, and clothing. Avoid breathing vapors, mist, or gas.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. If eye irritation persists, consult a doctor.

Skin contact

Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If skin irritation persists, call a physician.

Inhalation

Move to fresh air. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

Ingestion

Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion

4.2. Most important symptoms and effects (acute and delayed)

Causes skin and serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water fog. Dry chemical. Foam. Carbon dioxide (CO2). Cool containers/tanks with water spray.

Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Unsuitable extinguishing media: Keep away from sources of ignition - No smoking. Cool containers / tanks with water spray. Remove all sources of ignition

5.2. Specific hazards arising from the chemical

Extremely Flammable / Flammable. Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray.

Explosion Data

Sensitivity to Mechanical Impact none.

Sensitivity to Static Discharge Yes.

5.3. Special protective equipment and precautions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use with adequate ventilation to keep the exposure levels below the OELS.

6.2. Environmental precautions

Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for Containment Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up Soak up with inert absorbent material. Contain liquid and collect with an inert, non-combustible material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. Prevent product from entering drains. Take precautionary measures against static discharges.

6.4. Reference to other sections

None.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children. Store locked up.

Incompatible products Strong acids, alkalis, oxidizing agents.

Aerosol Level 3

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Guidelines

SUBSTANCE	Cas No.	TLV (ACGIH)	PEL (OSHA)	IDLH (NIOSH)
PROPANE/ ISOBUTANE/ N-BUTANE	68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m3 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m3	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m3 106-97-8:TWA: 800 ppm TWA: 1900 mg/m3 75-28-5:TWA: 800 ppm TWA: 1900 mg/m3
HEPTANE	64742-49-0	TLV: 400 ppm STEL: 500 ppm	TWA: 500 ppm	----
METHYL ACETATE	79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 610 mg/m3 (vacated) TWA: 200 ppm (vacated) TWA: 610 mg/m3 (vacated) STEL: 250 ppm (vacated) STEL: 760 mg/m3	IDLH: 3100 ppm TWA: 200 ppm TWA: 610 mg/m3 STEL: 250 ppm STEL: 760 mg/m3

Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ACGIH: (American Conference of Governmental Industrial Hygienists)

OSHA: (Occupational Safety & Health Administration)

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

8.2. Appropriate engineering controls

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems.

8.3. Individual protection measures/Personal protective equipment

Eye/Face Protection

Safety glasses with side-shields.

Skin and body protection

Chemical resistant apron. Protective gloves.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Aerosol
Appearance	Clear
Color	Colorless
Odor	Solvent
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	-104.4 °C / -156 °F (based on propellant)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Specific Gravity	0.688
Solubility (Water)	None
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

9.2. Other information

VOC Content (%)	72.98
MIR Value	0.85
MIR Coating Category	Exact match Finish: Engine-0.95 MIR limit

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

None anticipated under normal processing.

10.4. Conditions to avoid

Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Strong acids, alkalis, oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides, Hydrocarbons, Fumes

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Avoid inhaling vapors or mists. Harmful if inhaled. May cause irritation to respiratory system.
Eye contact Causes eye irritation.
Skin contact Causes skin irritation.
Ingestion May be fatal if swallowed and enters airways.

Component Information

Chemical Name	LD50 ORAL	LD50 DERMAL	LC50 INHALATION
HEPTANE 64742-49-0	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 73680 ppm (Rat) 4 h
METHYL ACETATE 79-20-9	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h

Information on toxicological effects

Symptoms Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Irritating to skin.
Eye damage/irritation Irritating to eyes.
Irritation Causes eye and skin irritation. May cause respiratory irritation.
Sensitization No information available.
Germ Cell Mutagenicity Not a germ cell mutagen.
Carcinogenicity There are no known carcinogenic chemicals in this product.
Reproductive toxicity This product does not contain any known or suspected reproductive hazards.
Specific target organ systemic toxicity (single exposure) May cause respiratory irritation. May cause drowsiness or dizziness.
Specific target organ systemic toxicity (repeated exposure) No information available.
Chronic toxicity Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest.
Target Organ Effects Skin, Eyes, Respiratory System, and Central Nervous System.
Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document.
ATEmix (oral) 9216 mg/kg
ATEmix (dermal) 11661 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Methyl Acetate 79-20-9	120 mg/L EC50 Desmodesmus subspicatus 72h	295 - 348 mg/L LC50 Pimephales promelas 96h flow-through 250 - 350 mg/L LC50 Brachydanio rerio 96h static	----	1026.7 mg/L EC50 Daphnia magna 48h
Dimethyl Polysiloxane 63148-62-9	----	----	----	>10,000mg/L EC50 Daaphina magna 48 h

Persistence and degradability

Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Bioaccumulation

Chemical Name	Log Pow
Propane/Isobutane/N-Butane 68476-86-8	<=2.8
Methyl Acetate 79-20-9	0.18

Other adverse effects No information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Dispose of in accordance with federal, state, and local regulations.

Contaminated packaging Do not re-use empty containers.

SECTION 14: Transport information

DOT Ground CONSUMER COMMODITY ORM-D
or
LIMITED QUANTITY

IATA UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD.QTY.

IMDG UN1950, AEROSOLS, 2.1, LTD. QTY.

SECTION 15: Regulatory information

15.1. US Federal regulations

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Propane/Isobutane/N-Butane	X	X	X	Not listed	X	X	X	X
Heptane	X	X	X	Not listed	X	X	X	X
Methyl Acetate	X	X	X	X	X	X	X	X
Dimethyl Polysiloxane	X	X	Not listed	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard Yes

Chronic Health Star Hazard Yes

Fire Hazard Yes

Sudden Release of Pressure Hazard Yes

Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Engine Bay Dressing

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methyl Acetate 79-20-9	X	X	X

EPA Pesticide Registration Number Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS Hazard Class

B5 Flammable aerosol

A Compressed gases

D2B Toxic materials

SECTION 16: Other information

NFPA	Health Hazard 2	Flammability 4	Instability 0	Physical and chemical hazards -
HMIS	Health Hazard 2*	Flammability 4	Physical Hazard 1	Personal protection B

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 user's intended purpose or for consequences of its use.