

SAFETY DATA SHEET

Brake Wash

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Griffin Bros. Inc.
P.O. Box 7719
Salem, OR 97303

INFORMATION PHONE: (800) 456-4743

DISTRIBUTOR: Auto Accessory Distributing Inc.
8355 SE Division St.
Portland, OR 97301

INFORMATION PHONE: (503) 777-3383

For Medical and Chemical Emergencies CHEMTREC: 1-800-424-9300

PRODUCT NAME: Brake Wash
PRODUCT NUMBER: AA-419
DATE PREPARED: 04/03/2009
LAST REVISION: 07/24/2014

USES: Cleaning Brake drums, pads, calipers

RESTRICTIONS: n/a

2. HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION: Flammable liquids (Category 2) Skin irritation (Category 2) Aspiration hazard (Category 1)
Specific target organ toxicity - single exposure (Category 3) Acute aquatic toxicity (Category 1) Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements:

SIGNAL WORD: **Danger!**

PICTOGRAM(s)



Hazard statement(s)

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H320 Causes eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261 Avoid breathing fume/ mist/ vapours/ spray.
P262 Do not get in eyes, on skin, or on clothing.
P273 Avoid release to the environment.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May cause irritation or damage to the eyes.

INHALATION: Irritating to the nose, throat, and respiratory tract.

INGESTION: Nausea, vomiting, or diarrhea may result from ingestion.

SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation, pain, coughing, redness of skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %
HEPTANE	142825	90%
ISOPROPYL ALCOHOL	67561	1 – 9%
METHANOL	67630	1 – 9%

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Give victim lots of water or milk. Get medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.

SKIN CONTACT: Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.
AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin or respiratory conditions.
SUPPLEMENTAL HEALTH INFORMATION: The effects of long-term, low-level exposure to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 24.8 deg F

FLASH POINT METHOD USED: PMCC

AUTOIGNITION: N/A

LEL: **UEL:**

EXTINGUISHING MEDIA:

1.05% 6.7%

Dry chemical, foam or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Extinguish all nearby sources of ignition. Vapors are heavier than air and may travel to distant ignition sources and flash back. Avoid accumulation on water because this product will float on water and possibly ignite.

COMBUSTION PRODUCTS:

Toxic vapors and gasses can be released if involved in a fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

OTHER PRECAUTIONS: Protect from freezing. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. For industrial use only. Keep away from children. Keep containers closed while not in use.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
HEPTANE	2000 (mg/m ³)		400ppm	500ppm
ISOPROPYL ALCOHOL	400ppm		400ppm	
METHANOL	200ppm		200ppm	

PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION:** Wear a NIOSH/MSHA approved respirator appropriate for vapor concentration at point of use.
- PROTECTIVE GLOVES:** Rubber or other impervious material with gauntlets.
- VENTILATION:** Local exhaust sufficient to keep exposure below TLV.
- WORK / HYGENIC PRACTICES:** Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.
- ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
- EYE PROTECTION:** Wear safety glasses. If splashing is probable, wear full face shield. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.
- OTHER PROTECTIVE EQUIP:** Boots, apron, lab coat or coveralls of impervious material, safety shower, eyewash.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE AND ODOR: Clear, colorless liquid Solvent/alcohol odor.

SOLUBILITY IN WATER: Complete

BOILING POINT: 209.1 F

PH: N/A

VAPOR PRESSURE (mm Hg): .53

VAPOR DENSITY (Air=1): 3.5

SPECIFIC GRAVITY: 0.68

POUNDS PER GALLON: 5.7

MELTING POINT: n/a

OTHER PROPERTIES: N/A

10. STABILITY AND REACTIVITY

STABLE: Stable

CONDITIONS TO AVOID:

None known.

INCOMPATIBILITY:

Oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Toxic vapors and gasses can be released if involved in a fire.

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID:

None

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Absorbed through skin. Inhalation.

Chronic Effects on Humans:

May cause damage to the following organs: lungs, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Dilute with large amounts of water and dispose to municipal or industrial waste treatment facility in accordance with applicable regulations.

14. TRANSPORT INFORMATION

UN NUMBER: UN 1993

DOT CLASS: Flammable Liquid n.o.s. (Heptane)

HAZARD CLASS: 3

PACKING GROUP: II

GUIDE NUMBER: 128

PROPER SHIPPING NAME: UN 1993, Flammable Liquid n.o.s. (Heptane), 3, PG II (ERG #128)

15. REGULATORY INFORMATION

No information available.

16. OTHER INFORMATION

HMIS INFORMATION:	HEALTH:	1	FLAMMABILITY:	3	REACTIVE:	0	PROTECTIVE:	X
NFPA INFORMATION:	TOXICITY:	1	FIRE:	3	REACTIVITY:	0	SPECIAL:	N

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