

Brake Wash V

SDS Number: 906151

1 PRODUCT AND COMPANY INFORMATION

Product Name: Brake Wash V
Revision Date: 06/15/2016
SDS Number: 906151
Common Name: Hydrocarbon Solvent
CAS Number: Blend
Product Code: 906151
Synonyms: Automotive Brake Cleaner

Company Identification:

Manufactured for:
LYDEN OIL COMPANY
3711 LeHarps Drive
Youngstown, OH 44515

For Product Information: 1-330-792-1100
For Emergencies: 1-800-424-9300
CHEMTREC: 1-800-424-9300 or 1-703-527-3887

2 HAZARDS IDENTIFICATIONSignal Word:**DANGER**Hazard Classes/Categories:

Flammable liquid, Category 2.
Skin irritant, Category 2.
Serious eye irritation, Category 2A.

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Specific target organ toxicity – single exposure, Category 3.
Aspiration hazard, Category 1.

Hazard Statement(s):

H226: Flammable liquid and vapor.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precaution Statement(s):

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
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 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

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P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other Hazard Statement(s):

-NFPA Ratings:
 Health = 2
 Fire = 3
 Reactivity = 0

3	COMPOSITION / INFORMATION ON INGREDIENTS
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Ingredients:

Mixture of the substances listed below with nonhazardous additions.

Chemical Name	CAS Number	Percentage
Naphtha (petroleum), hydrotreated light	64742-49-0	40-60
Heptanes, branched, cyclic and linear	426260-76-6	40-60
Solvent Naphtha (petroleum), lt aliph.	64742-89-8	40-60
Acetone	67-64-1	0-60
Heptane	142-82-5	0-30

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

4	FIRST AID MEASURES
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Description of First Aid Measures:

Inhalation:

If symptoms develop, move victim to fresh air and keep in a position comfortable for breathing. If symptoms persist, obtain medical attention.

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Skin Contact:

Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

Eye Contact:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Gently remove contacts while flushing. Get medical attention if irritation persists.

Ingestion:

If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Symptoms and Effects, both acute and delayed:

Symptoms of poisoning may appear several hours later.
Do not leave the victim unattended.

Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.

5 FIRE FIGHTING MEASURES**Recommended Fire-Extinguishing Equipment:**

Use dry powder, foam, or carbon dioxide fire extinguishers. Water may be ineffective in fighting an oil fire unless used by experienced fire fighters.

Possible Hazards During a Fire:

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

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Recommendations to Firefighters:

Use a water spray to cool fully closed containers.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin, eyes, and clothing.
Keep away from sources of ignition.

Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.

Environmental Precautions:

Do not allow to reach sewage system or any water course.
Do not allow to enter ground waters.

Cleanup Procedures:

Pick up excess with inert absorbant material.

7 HANDLING AND STORAGE

Handling Precautions:

Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Container may be opened only under exhaust ventilation. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

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Storage Requirements:

No smoking. Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

8	EXPOSURE CONTROLS / PERSONAL PROTECTION
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Exposure Limits:

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64742-49-0 / 426260-76-6 / 64742-89-8	Naphtha (pet), hydrotreated It AND/OR Heptane, branched, cyclic and linear AND/OR Solvent naphtha (pet), It aliph.	TWA	400 ppm	ACGIH
		STEL	500 ppm	ACGIH
67-64-1	Acetone	TWA	500 ppm	ACGIH
		STEL	750 ppm	ACGIH
		TWA	250 ppm 590 mg/m ³	NIOSH REL
		TWA	1,000 ppm 2,400 mg/m ³	OSHA Z-1
		TWA	750 ppm 1,800 mg/m ³	OSHA P0
		STEL	1,000 ppm 2,400 mg/m ³	OSHA P0
		TWA	85 ppm 350 mg/m ³	NIOSH REL
		C	440 ppm 1,800 mg/m ³	NIOSH REL
142-82-5	Heptane	TWA	500 ppm 2,000 mg/m ³	OSHA Z-1
		TWA	400 ppm 1,600 mg/m ³	OSHA P0
		STEL	500 ppm	OSHA P0
			2,000 mg/m ³	

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Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:

Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Use safety glasses and gloves.

9	PHYSICAL AND CHEMICAL PROPERTIES
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Color:	Various
Physical State:	Liquid
Odor:	Data not available
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	Data not available
Boiling Point:	Data not available
Boiling Range:	Data not available
Flash Point:	-18° C / -0.4° F
Evaporation Rate:	1 (Ethyl Ether)
Flammability:	Data not available
Flammability Limits:	Data not available
Vapor Pressure:	Data not available
Vapor Density:	Data not available
Relative Density:	0.7325 g/cm ³ at 68° F
Solubilities:	Data not available
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
Viscosity:	Data not available

10 STABILITY AND REACTIVITYStability:

Stable under normal conditions.

Reactivity:

Not reactive under normal conditions.

Conditions to Avoid:

Extreme temperature, sparks, open flame, and direct sunlight.

Hazardous Reactions:

No known hazardous reactions.

Incompatible Materials:

Bases, halogens, oxidizing agents, peroxides, reducing agents

Decomposition Products:

Hazardous decomposition products are not expected to form.

11 TOXICOLOGICAL INFORMATIONRoutes of Exposure:

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:

May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

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Measures of Toxicity:

64742-49-0 / 426260-76-6 / 64742-89-8:
Acute oral toxicity : LD50 (rat, male and female): > 5,000 mg/kg
Acute inhalation toxicity : LC50 (rat, male and female): > 73.5 mg/l Exposure time: 4 h
Acute dermal toxicity : LD50 (rabbit, male and female): > 2,000 mg/kg

67-64-1:
Acute oral toxicity : LD50 (rat): 5,800 mg/kg
Acute inhalation toxicity : LC50 (rat): 76.0 mg/l
Exposure time: 4 h
Acute dermal toxicity : LD50 : > 7,426 mg/kg

142-82-5:
Acute oral toxicity : LD50 (rat, male and female): 5,000 mg/kg
Acute inhalation toxicity : LC50 (rat, male and female): 73.5 mg/l Exposure time: 4 h
Acute dermal toxicity : LD50 (rabbit, male and female): > 2,000 mg/kg

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATIONEcological Precautions:

Avoid exposing to the environment.

Ecological Effects:

64742-49-0 / 426260-76-6 / 64742-89-8:
Toxicity to fish : LC50 (Carassius auratus (goldfish)): 4 mg/l Exposure time: 24 h

67-64-1:
Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 6,100 mg/l
Exposure time: 48 h

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142-82-5:

Toxicity to fish : LC50 (Carassius auratus (goldfish)): 4 mg/l Exposure time: 24 h

13 DISPOSAL CONSIDERATIONSDisposal Methods:

Dispose of only in accordance with local, state, and federal regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

Do not flush to surface waters or drains.

14 TRANSPORT INFORMATION

UN Number: UN1993
UN Shipping Name: Flammable Liquids, n.o.s.
Transport Hazard Class: 3
Packing Group: II

Environmental Hazards:

Data not available

Bulk Transport Guidance:

Reportable Quantity: 9000 pounds

Special Precautions:

Placard: FLAMMABLE

15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.



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16	OTHER INFORMATION
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Last Revision Date: 06/15/2016

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