



SAFETY DATA SHEET

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MSDS Number: R0405608

Version: 3.2

Car Brite™ LASER BRITE Fortified Cleaner &
Glaze
CBDEA048-02

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Ashland	Regulatory Information Number	1-800-325-3751
P.O. Box 2219	Telephone	614-790-3333
Columbus, OH 43216	Emergency telephone number	1-800-ASHLAND (1-800-274-5263)

Product name Car Brite™ LASER BRITE Fortified Cleaner & Glaze

Product code CBDEA048-02

Product Use Description Metal polish

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, off-white

CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

Potential Health Effects

Exposure routes

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin contact

May cause slight skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

Ingestion

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Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, lung (for example, asthma-like conditions)

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), irregular heartbeat

Target Organs

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

Reproductive hazard

There are no data available for assessing risk to the fetus from maternal exposure to this material.

Other information

When heated to temperatures above 150 degrees C in the presence of air, this product can form formaldehyde vapors. Formaldehyde has been identified as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) and the Occupational Safety and

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Health Administration (OSHA). Formaldehyde is irritating to the eyes, nose, throat, and airways, and can cause an allergic reaction (causes narrowing of the air passages of the lungs, sweating, flushing, hives, rapid heart rate, and lowered blood pressure). In addition, formaldehyde can cause an allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects). It is harmful if inhaled, swallowed or absorbed through skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No. / Trade Secret No.	Concentration
ALIPHATIC HYDROCARBONS	64742-88-7	>=10-<15%
ALUMINUM SILICATE CALCINED	66402-68-4	>=5-<10%
DIMETHYL SILICONES AND SILOXANES	63148-62-9	>=1.5-<5%
GLYCERIN	56-81-5	>=1.5-<5%

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

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If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

Treatment: No information available.

5. FIREFIGHTING MEASURES**Suitable extinguishing media**

Dry chemical, Carbon dioxide (CO₂), Water spray

Hazardous combustion products

Aldehydes, carbon dioxide and carbon monoxide, formaldehyde, Hydrocarbons, nitrogen oxides (NO_x), silicon oxides

Precautions for fire-fighting

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class II

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

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For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Other information

Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

7. HANDLING AND STORAGE**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

Storage

Store in a cool, dry, ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

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GLYCERIN		56-81-5	
ACGIH	time weighted average	10 mg/m3	Mist.
OSHA Z1	Permissible exposure limit	15 mg/m3	Total dust.
OSHA Z1	Permissible exposure limit	5 mg/m3	Respirable fraction.

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use. Wear resistant gloves (consult your safety equipment supplier).

Respiratory protection

Respiratory protection is not required under normal conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Colour	off-white
Boiling point/boiling range	149 °F / 65 °C @ 1,013.33 hPa Calculated Phase Transition Liquid/Gas
Melting point/range	32 °F / 0 °C

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Flash point	108.0 °F / 42.2 °C Pensky Martens closed cup
Evaporation rate	0.36
Lower explosion limit/Upper explosion limit	1 %(V) / 7 %(V) Calculated Explosive Limit
Vapour pressure	23.333 hPa @ 68 °F / 20 °C Calculated Vapor Pressure
Relative vapour density	4.9
Density	0.991 g/cm3
	8.26 lb/gal @ 60.00 °F / 15.56 °C
Water solubility	soluble
Auto-ignition temperature	489 °F / 254 °C
Viscosity, kinematic	(>)7 mm2/s @ 40 °C

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Heat, flames and sparks. Heat, flames and sparks.

Incompatible products

Strong bases, Strong oxidizing agents

Hazardous decomposition products

acrolein, Aldehydes, carbon dioxide and carbon monoxide, formaldehyde, Hydrocarbons, silicon oxides

Hazardous reactions

Product will not undergo hazardous polymerization.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

Acute oral toxicity - : no data available
Product

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Acute oral toxicity - Components

ALIPHATIC HYDROCARBONS	: LD 50: > 5,000 mg/kg Species: Rat
DIMETHYL SILICONES AND SILOXANES	: LD 50: > 5 g/kg Species: Rat
GLYCERIN	: LD 50: 12,600 mg/kg Species: Rat Method: OECD Test Guideline 401

Acute inhalation toxicity

Acute inhalation toxicity - Product	: no data available
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Acute inhalation toxicity - Components

ALIPHATIC HYDROCARBONS	: LC 50: > 5500 ppm Exposure time: 4 h Species: Rat
DIMETHYL SILICONES AND SILOXANES	: LC 50: > 695 mg/m3 Exposure time: 4 h Species: Rat Method: OECD Test Guideline 403
GLYCERIN	: LC 50: > 570 mg/m3 Exposure time: 1 h Species: Rat

Acute dermal toxicity

Acute dermal toxicity - Product	: no data available
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Acute dermal toxicity - Components

ALIPHATIC HYDROCARBONS	: LD 50: > 3,000 mg/kg Species: Rabbit
DIMETHYL SILICONES AND SILOXANES	: LD 50: > 2,000 mg/kg Species: Rabbit
GLYCERIN	: LD 50: > 10 g/kg Species: Rabbit

Acute toxicity (other routes of administration)

Acute toxicity (other routes of administration)	: no data available
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12. ECOLOGICAL INFORMATION**Biodegradability**

Biodegradability - Product : no data available

Biodegradability - Components

DIMETHYL SILICONES : Remarks: Not readily biodegradable.
AND SILOXANES

Bioaccumulation

Bioaccumulation - Product : no data available

Ecotoxicity effects**Toxicity to fish**

Toxicity to fish - Product : no data available

Toxicity to fish - Components

GLYCERIN : LC 50: > 5,000 mg/l
Exposure time: 24 h
Species: Goldfish (Carassius auratus)
Method: Static
Remarks: Mortality

Toxicity to daphnia and other aquatic invertebrates

Toxicity to daphnia and : no data available
other aquatic invertebrates
- Product

Toxicity to daphnia and other aquatic invertebrates - Components

GLYCERIN : LC 50: > 10,000 mg/l
Exposure time: 24 h
Species: Water flea (Daphnia magna)
Method: Static
Remarks: Mortality

Toxicity to algae

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Toxicity to algae - Product	: no data available
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Toxicity to bacteria

Toxicity to bacteria - Product	: no data available
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13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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U.S. DOT - ROAD

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods



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TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1993	FLAMMABLE LIQUID, N.O.S. (ALIPHATIC PETROLEUM DISTILLATES)	3	III
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	1993	Flammable liquid, n.o.s. (ALIPHATIC PETROLEUM DISTILLATES)	3	III
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1993	Flammable liquid, n.o.s. (ALIPHATIC PETROLEUM DISTILLATES)	3	III
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MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN	1993	LIQUIDO INFLAMABLE, N.E.P. (ALIPHATIC PETROLEUM DISTILLATES)	3	III
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*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

QUARTZ (SiO₂)

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

METHANOL

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SARA Hazard Classification**SARA 311/312 Classification**

Fire Hazard

Acute Health Hazard

SARA 313 Component(s)

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

New Jersey RTK Label Information

WATER	7732-18-5
ALIPHATIC HYDROCARBONS	64742-88-7
ALUMINUM SILICATE CALCINED	66402-68-4
DIMETHYL SILICONES AND SILOXANES	63148-62-9
GLYCERIN	56-81-5

Pennsylvania RTK Label Information

WATER	7732-18-5
ALIPHATIC HYDROCARBONS	64742-88-7
ALUMINUM SILICATE CALCINED	66402-68-4
GLYCERIN	56-81-5

Notification status

US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	n (Negative listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	n (Negative listing)
Japan. Kashin-Hou Law List	n (Negative listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302)	980392 lbs
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Reportable quantity-Components

DIETHANOLAMINE	111-42-2	100 lbs
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	HMIS	NFPA
Health	1	1
Flammability	2	2
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).