

Car Brite™ SUPER GLAZE® Cleaner & Glaze
CBO1A001-03

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	1-800-ASHLAND (1-800-274-5263)
Product name	Car Brite™ SUPER GLAZE® Cleaner & Glaze	
Product code	CBO1A001-03	
Product Use Description	No data	

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, dark green

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

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 mild skin irritation. Symptoms may include redness and burning of skin. 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), thirst, 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). This product (or a component) is a petroleum-derived material. Similar materials and certain compounds occurring naturally in petroleum oils have been shown to cause skin cancer in laboratory animals following repeated exposure without washing or removal.

Reproductive hazard

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

Other information

This material can form dust which may cause skin or mucous membrane irritation. Symptoms may include redness, burning, and swelling. Although they may cause respiratory tract irritation,

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nuisance dusts do not form scar tissue or affect the structure of air spaces in the lungs. Their effects on the tissues are potentially reversible. 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 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.	Concentration
ALIPHATIC HYDROCARBONS	64742-88-7	>=10-<15%
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC	64742-96-7	>=10-<15%
SILICA AMORPHOUS (SIO2)	7631-86-9	>=5-<10%
WHITE MINERAL OIL	8042-47-5	>=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.

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Inhalation

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: Glycerine may be absorbed in potentially harmful amounts if applied in large quantities to severe burns over large areas of the body. This can result in elevated serum osmolality and subsequent osmotic shock.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, Carbon dioxide (CO₂), Water spray

Hazardous combustion products

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

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

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.

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CBO1A001-03**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**

SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC		64742-96-7	
CAD ON OEL	time weighted average	525 mg/m3	
SILICA AMORPHOUS (SIO2)		7631-86-9	
CAD BC OEL	time weighted average	4 mg/m3	Total
CAD BC OEL	time weighted average	1.5 mg/m3	Respirable.
CAD ON OEL	time weighted average	10 mg/m3	

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OEL (QUE)	time weighted average	6 mg/m3	Respirable dust.
GLYCERIN		56-81-5	
CAD AB OEL	time weighted average	10 mg/m3	Mist.
CAD BC OEL	time weighted average	3 mg/m3	Respirable mist
CAD BC OEL	time weighted average	10 mg/m3	Mist.
CAD ON OEL	time weighted average	10 mg/m3	Mist.
OEL (QUE)	time weighted average	10 mg/m3	Mist.
KAOLIN		1332-58-7	
CAD BC OEL	time weighted average	2 mg/m3	Respirable.
CAD ON OEL	time weighted average	2 mg/m3	Respirable.
OEL (QUE)	time weighted average	5 mg/m3	Respirable dust.
CAD AB OEL	time weighted average	2 mg/m3	Respirable.

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

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

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Physical state	liquid
Form	no data available
Colour	dark green
Odour	solvent
Boiling point/boiling range	(>)150 °F / 66 °C @ 760.00 mmHg
Melting point/range	no data available
Sublimation point	no data available
pH	no data available
Flash point	108.0 °F / 42.2 °C
Ignition temperature	no data available
Evaporation rate	no data available
Lower explosion limit/Upper explosion limit	1 %(V) / 6 %(V) Calculated Explosive Limit
Particle size	no data available
Vapour pressure	23.333 hPa @ 68 °F / 20 °C Calculated Vapor Pressure
Relative vapour density	no data available
Density	1.004 g/cm3 8.38 lb/gal @ 60.00 °F / 15.56 °C
Bulk density	No data
Water solubility	no data available
Solubility	no data available
Partition coefficient: n-octanol/water	no data available
log Pow	no data available
Autoignition temperature	no data available
Viscosity, dynamic	no data available
Viscosity, kinematic	no data available
Solids in Solution	no data available
Decomposition temperature	no data available
Burning number	no data available
Dust explosion constant	no data available
Minimum ignition energy	no data available

10. STABILITY AND REACTIVITY**Stability**
Stable.

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Conditions to avoid
excessive heat

Incompatible products
fluorides, Iron, steel, Strong acids, Strong bases, Strong oxidizing agents, strong reducing agents

Hazardous decomposition products
Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons, formaldehyde, Hydrogen, silicon oxides, Hydrogen chloride gas, acrolein

Hazardous reactions
Product will not undergo hazardous polymerization.

Thermal decomposition
No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

ALIPHATIC HYDROCARBONS	: LD 50 Rat: > 5,000 mg/kg
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC	: LD 50 Rat: > 5 g/kg
SILICA AMORPHOUS (SIO2)	: LD 50 Rat: > 10,000 mg/kg
WHITE MINERAL OIL	: LD 50 Rat: 50,000 mg/kg

Acute inhalation toxicity

ALIPHATIC HYDROCARBONS	: LC 50 Rat: > 5500 ppm; 4 h
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC	: LC 50 Rat: > 5 mg/L; 4 h
SILICA AMORPHOUS (SIO2)	: LC 50 Rat: > 0.139 mg/L; 4 h
WHITE MINERAL OIL	: no data available

Acute dermal toxicity

ALIPHATIC HYDROCARBONS	: LD 50 Rabbit: > 3,000 mg/kg
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SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC	: LD 50 Rat: > 2,000 mg/kg
SILICA AMORPHOUS (SIO2)	: LD 50 Rabbit: > 5,000 mg/kg
WHITE MINERAL OIL	: LD 50 Rabbit: > 2,000 mg/kg

12. ECOLOGICAL INFORMATION

Biodegradability

ALIPHATIC HYDROCARBONS	: no data available
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC	: no data available
SILICA AMORPHOUS (SIO2)	: no data available
WHITE MINERAL OIL	: no data available

Bioaccumulation

ALIPHATIC HYDROCARBONS	: no data available
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC	: no data available
SILICA AMORPHOUS (SIO2)	: no data available
WHITE MINERAL OIL	: no data available

Ecotoxicity effects

Toxicity to fish

ALIPHATIC HYDROCARBONS	: no data available
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC	: no data available
SILICA AMORPHOUS (SIO2)	: no data available
WHITE MINERAL OIL	: no data available

Toxicity to daphnia and other aquatic invertebrates.

ALIPHATIC HYDROCARBONS	: no data available
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SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC : no data available
SILICA AMORPHOUS (SIO2) : no data available
WHITE MINERAL OIL : no data available

Toxicity to algae

ALIPHATIC HYDROCARBONS : no data available
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC : no data available
SILICA AMORPHOUS (SIO2) : no data available
WHITE MINERAL OIL : no data available

Toxicity to bacteria

ALIPHATIC HYDROCARBONS : no data available
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC : no data available
SILICA AMORPHOUS (SIO2) : no data available
WHITE MINERAL OIL : no data available

Biochemical Oxygen Demand (BOD)

ALIPHATIC HYDROCARBONS : no data available
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC : no data available
SILICA AMORPHOUS (SIO2) : no data available
WHITE MINERAL OIL : no data available

Chemical Oxygen Demand (COD)

ALIPHATIC HYDROCARBONS : no data available
SOLVENT NAPHTHA (PETROLEUM), HEAVY ALIPHATIC : no data available

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SILICA AMORPHOUS (SIO2) : no data available

WHITE MINERAL OIL : no data available

Additional ecological information

ALIPHATIC HYDROCARBONS : no data available

SOLVENT NAPHTHA (PETROLEUM), HEAVY
ALIPHATIC : no data available

SILICA AMORPHOUS (SIO2) : no data available

WHITE MINERAL OIL : no data available

13. DISPOSAL CONSIDERATIONS**Waste disposal methods**

For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

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

CFR_RAIL_C

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TDG_ROAD_C

Not dangerous goods

TDG_RAIL_C

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Not dangerous goods

TDG_INWT_C

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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MX_DG

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**WHMIS Classification**

B3 Combustible Liquid

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

Canadian National Pollutant Release Inventory (NPRI)

SILICA AMORPHOUS (SIO2)	6.73 %
BENTONITE ROCK CLAY	0.60 %

Car Brite™ SUPER GLAZE® Cleaner & Glaze
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US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA).	y (positive listing)
Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive 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)

	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).