

CAR BRITE® SELECT EXTERIOR  
INTERIOR CLEANER/DEGREASER  
593835

**I. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Ashland P.O. Box 2219 Columbus, OH 43216	Regulatory Information Number Telephone Emergency telephone	1-800-325-3751 614-790-3333 1-800-ASHLAND (1-800-274-5263)
Product name	CAR BRITE® SELECT EXTERIOR INTERIOR CLEANER/DEGREASER	
Product code	593835	
Product Use Description	No data	

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid, blue

DANGER! MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL. MAY CAUSE SEVERE BURNS OF RESPIRATORY AND DIGESTIVE TRACTS. CAUSES SEVERE BURNS OF THE EYES AND SKIN.

**Potential Health Effects**

**Exposure routes**

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

**Eye contact**

Can cause permanent eye injury. Symptoms include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.

**Skin contact**

Can cause permanent skin damage. Symptoms may include redness, burning, and swelling of skin, burns, and other skin damage. 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.

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### **Ingestion**

Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation (nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

### **Inhalation**

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract. 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: lung (for example, asthma-like conditions), Liver, kidney, Skin

### **Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: irritation (nose, throat, airways), stomach or intestinal upset (nausea, vomiting, diarrhea), Cough, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), Difficulty in breathing, Bloody urine, blood abnormalities (breakage of red blood cells), kidney damage, liver damage, coma

### **Target Organs**

Acute lethal exposure to ethylene glycol monobutyl ether in animal studies has resulted in congestion of organs including kidney, spleen, and lung. 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 spleen effects, blood abnormalities, Frequent ingestion of silicates over long periods of time is associated with the formation of stones in the kidney and urinary tract in humans.

### **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). Ethylene glycol monobutyl ether has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain.

### **Reproductive hazard**

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This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Components</b>	<b>CAS-No.</b>	<b>Concentration</b>
ALKYL DODECYLBENZENE SULFONIC ACID, SODIUM SALT	25155-30-0	>=5-<10%
SODIUM METASILICATE	6834-92-0	>=1.5-<5%
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	>=1.5-<5%
SODIUM XYLENE SULFONATE	1300-72-7	>=1.5-<5%
ALCOHOL ETHOXYLATE		>=1-<1.5%

**4. FIRST AID MEASURES****Eyes**

If material gets into the eyes, immediately flush eyes gently with water for at least 15 minutes while holding eyelids apart. If symptoms develop as a result of vapor exposure, immediately move individual away from exposure and into fresh air before flushing as recommended above. Seek immediate medical attention.

**Skin**

Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention. Wash clothing before reuse and discard contaminated shoes.

**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, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

**Notes to physician**

**Hazards:** No information available.

**Treatment:** No information available.

**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Dry chemical, Carbon dioxide (CO2)

**Hazardous combustion products**

May form:, carbon dioxide and carbon monoxide, sulfur compounds

**Precautions for fire-fighting**

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. 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 liquid with water used for cooling purposes.

**NFPA Flammable and Combustible Liquids Classification**

Combustible Liquid Class IIIB

**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.

**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.

**Methods for cleaning up**

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Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Other information**

Comply with all applicable federal, state, and local regulations.

**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.

**Storage**

Store in a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

ETHYLENE GLYCOL MONOBUTYL ETHER		111-76-2
ACGIH	time weighted average	20 ppm
NIOSH	Recommended exposure limit (REL):	5 ppm
NIOSH	Recommended exposure limit (REL):	24 mg/m <sup>3</sup>
OSHA Z1	Permissible exposure limit	50 ppm
OSHA Z1	Permissible exposure limit	240 mg/m <sup>3</sup>

**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**

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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. Mechanical ventilation systems used to ventilate corrosive storage or process areas must be designed with components that are corrosion resistant.

**Eye protection**

Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist. Maintain eye wash station in immediate work area.

**Skin and body protection**

Wear resistant gloves (consult your safety equipment supplier).  
Wear appropriate chemical impervious clothing and boots whenever there is potential for skin contact with product. Launder clothing before reuse. Maintain safety shower at all locations where skin contact could occur. Contact your local safety equipment supplier to assist the facility in determining proper selection of personal protective equipment for the applications/operations present at your facility.

**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	liquid
<b>Form</b>	no data available
<b>Colour</b>	blue
<b>Odour</b>	no data available
<b>Boiling point/boiling range</b>	212 °F / 100 °C @ 1,013.33 hPa Calculated Phase Transition Liquid/Gas
<b>Melting point/range</b>	no data available
<b>Sublimation point</b>	no data available
<b>pH</b>	12.5
<b>Flash point</b>	148.88 °C Calculated Flash Point
<b>Ignition temperature</b>	no data available
<b>Evaporation rate</b>	no data available

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<b>Lower explosion limit/Upper explosion limit</b>	no data available
<b>Particle size</b>	no data available
<b>Vapour pressure</b>	23.333 hPa @ 68 °F / 20 °C Calculated Vapor Pressure
<b>Relative vapour density</b>	no data available
<b>Density</b>	1.05 g/cm <sup>3</sup>
<b>Bulk density</b>	8.72 lb/gal
<b>Water solubility</b>	no data available
<b>Solubility</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>log Pow</b>	no data available
<b>Autoignition temperature</b>	no data available
<b>Viscosity, dynamic</b>	no data available
<b>Viscosity, kinematic</b>	no data available
<b>Solids in Solution</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Burning number</b>	no data available
<b>Dust explosion constant</b>	no data available
<b>Minimum ignition energy</b>	no data available

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

Avoid contact with:, heat

### Incompatible products

Avoid contact with:, aluminum, salts of strong bases, strong alkalis, Strong oxidizing agents, Acids, aluminum salts, Lead, Tin, Zinc

### Hazardous decomposition products

May form:, Aldehydes, carbon dioxide and carbon monoxide, ketones, Organic acids, sulfur compounds

### Hazardous reactions

Product will not undergo hazardous polymerization.

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**Thermal decomposition**

No data

**11. TOXICOLOGICAL INFORMATION**

**Acute oral toxicity**

ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : LD 50 Rat: 1,260 mg/kg  
SODIUM METASILICATE : LD 50 Rat: 1,153 mg/kg  
ETHYLENE GLYCOL MONOBUTYL ETHER : LD 50 Guinea pig: 1,200 mg/kg  
SODIUM XYLENE SULFONATE : LD 50 Rat: 4,000 mg/kg  
ALCOHOL ETHOXYLATE : LD50 rat: 1,000 - 3,000 mg/kg

**Acute Inhalation toxicity**

ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : no data available  
SODIUM METASILICATE : no data available  
ETHYLENE GLYCOL MONOBUTYL ETHER : LC 50 Guinea pig: > 633 ppm; 1 h  
SODIUM XYLENE SULFONATE : no data available  
ALCOHOL ETHOXYLATE : no data available

**Acute dermal toxicity**

ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : no data available  
SODIUM METASILICATE : no data available  
ETHYLENE GLYCOL MONOBUTYL ETHER : LD 50 Guinea pig: > 2,000 mg/kg  
SODIUM XYLENE SULFONATE : no data available  
ALCOHOL ETHOXYLATE : no data available

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## 12. ECOLOGICAL INFORMATION

### Biodegradability

ALKYL DODECYLBENZENE SULFONIC ACID, SODIUM SALT	: no data available
SODIUM METASILICATE	: no data available
ETHYLENE GLYCOL MONOBUTYL ETHER	: no data available
SODIUM XYLENE SULFONATE	: no data available
ALCOHOL ETHOXYLATE	: Expected to be biodegradable

### Bioaccumulation

ALKYL DODECYLBENZENE SULFONIC ACID, SODIUM SALT	: Species: Bluegill ( <i>Lepomis macrochirus</i> ) Exposure time: 28 d Dose: 0.064 mg/L Bioconcentration factor (BCF): 220 Method: Flow through
SODIUM METASILICATE	: no data available
ETHYLENE GLYCOL MONOBUTYL ETHER	: no data available
SODIUM XYLENE SULFONATE	: no data available
ALCOHOL ETHOXYLATE	: no data available

### Ecotoxicity effects

#### Toxicity to fish

ALKYL DODECYLBENZENE SULFONIC ACID, SODIUM SALT	: no data available
SODIUM METASILICATE	: no data available
ETHYLENE GLYCOL MONOBUTYL ETHER	: no data available
SODIUM XYLENE SULFONATE	: no data available
ALCOHOL ETHOXYLATE	: Fish: > 1.00 - 10.00 mg/L ; Based on a similar product

**ASHLAND**  
**SAFETY DATA SHEET**

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formulation.

**Toxicity to daphnia and other aquatic invertebrates.**

ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : no data available  
SODIUM METASILICATE : no data available  
ETHYLENE GLYCOL MONOBUTYL ETHER : no data available  
SODIUM XYLENE SULFONATE : no data available  
ALCOHOL ETHOXYLATE : Daphnia: > 1.00 - 10.00 mg/L Based on a similar  
product formulation.

**Toxicity to algae**

ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : no data available  
SODIUM METASILICATE : no data available  
ETHYLENE GLYCOL MONOBUTYL ETHER : no data available  
SODIUM XYLENE SULFONATE : no data available  
ALCOHOL ETHOXYLATE : no data available

**Toxicity to bacteria**

ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : no data available  
SODIUM METASILICATE : no data available  
ETHYLENE GLYCOL MONOBUTYL ETHER : no data available  
SODIUM XYLENE SULFONATE : no data available  
ALCOHOL ETHOXYLATE : no data available

**Biochemical Oxygen Demand (BOD)**

ALKYL DODECYLBENZENE SULFONIC ACID, : no data available

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SODIUM SALT  
SODIUM METASILICATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM XYLENE SULFONATE : no data available

ALCOHOL ETHOXYLATE : no data available

**Chemical Oxygen Demand (COD)**  
ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : no data available

SODIUM METASILICATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM XYLENE SULFONATE : no data available

ALCOHOL ETHOXYLATE : no data available

**Additional ecological information**  
ALKYL DODECYLBENZENE SULFONIC ACID,  
SODIUM SALT : no data available

SODIUM METASILICATE : no data available

ETHYLENE GLYCOL MONOBUTYL ETHER : no data available

SODIUM XYLENE SULFONATE : no data available

ALCOHOL ETHOXYLATE : no data available

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal methods**  
No data

**14. TRANSPORT INFORMATION**

REGULATION

**ASHLAND**  
SAFETY DATA SHEET

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ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

UN 3266	LIQUIDO CORROSIVO, BASICO, INORGANICO, N.E.P. (SODIUM METASILICATE)	8		III	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN 3266	Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE)	8		III	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

UN 3266	Corrosive liquid, basic, inorganic, n.o.s. (SODIUM METASILICATE)	8		III	
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

UN 3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE)	8		III	
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**TRANSPORT CANADA - INLAND WATERWAYS**

UN 3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE)	8		III	
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**TRANSPORT CANADA - RAIL**

UN 3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE)	8		III	
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**TRANSPORT CANADA - ROAD**

UN 3266	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE)	8		III	
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**U.S. DOT - INLAND WATERWAYS**

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UN	3266	Corrosive liquid, basic, inorganic, 8 n.o.s. (SODIUM METASILICATE)	III
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**U.S. DOT - RAIL**

UN	3266	Corrosive liquid, basic, inorganic, 8 n.o.s. (SODIUM METASILICATE)	III
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**U.S. DOT - ROAD**

UN	3266	Corrosive liquid, basic, inorganic, 8 n.o.s. (SODIUM METASILICATE)	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.

FORMALDEHYDE  
LEAD  
NICKEL  
ARSENIC  
CADMIUM

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

LEAD  
MERCURY  
CADMIUM

**SARA Hazard Classification**

Acute Health Hazard

**SARA 313 Component(s)**

ETHYLENE GLYCOL MONOBUTYL ETHER 3.96 %

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**New Jersey RTK Label Information**

WATER	7732-18-5
ALKYL DODECYLBENZENE SULFONIC ACID, SODIUM SALT	25155-30-0
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
SODIUM METASILICATE	6834-92-0
SODIUM XYLENE SULFONATE	1300-72-7

**Pennsylvania RTK Label Information**

WATER	7732-18-5
ALKYL DODECYLBENZENE SULFONIC ACID, SODIUM SALT	25155-30-0
SODIUM METASILICATE	6834-92-0
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2

**Notification status**

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

**Reportable quantity - Product**

US. EPA CERCLA Hazardous Substances (40 CFR 302) 15797 lbs

**Reportable quantity-Components**

ALKYL DODECYLBENZENE SULFONIC ACID, 25155-30-0 1000 lbs  
SODIUM SALT

	HMIS	NFPA
Health	3	3
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

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**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).