SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Trade name : Car Brite™ BUMPER KOTE™ Faded Bumper Restorer

Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data sheet
Ashland
P.O. Box 2219
Columbus, OH 43216
United States of America

EHS Customer Requests@ashland.com

Emergency telephone number
1-800-ASHLAND (1-800-274-5263)

Regulatory Information Number
1-800-325-3751

Product Information
614-790-3333

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Reproductive toxicity : Category 2

GHS Label element
Hazard pictograms :

Signal Word : Warning

Hazard Statements : Suspected of damaging fertility or the unborn child.

Precautionary Statements : Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF exposed or concerned: Get medical advice/ attention.
Storage:
Store locked up.
Disposal:
Dispose of contents/container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALKOXY-TERMINATED AMINOALKYL-FUNCTIONAL SILOXANE</td>
<td>67923-07-3</td>
<td>Eye Irrit. 2A; H319</td>
<td>2.42</td>
</tr>
<tr>
<td>OCTAMETHYLCYCLOTETRASIL OXANE</td>
<td>556-67-2</td>
<td>Flam. Liq. 3; H226 Repr. 2; H361</td>
<td>0.24</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice :
Move out of dangerous area. 
Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. 
Show this safety data sheet to the doctor in attendance. 
Do not leave the victim unattended.

If inhaled :
If breathed in, move person into fresh air. 
If unconscious place in recovery position and seek medical advice. 
If symptoms persist, call a physician.

In case of skin contact :
If on skin, rinse well with water. 
First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

In case of eye contact :
Flush eyes with water as a precaution. 
Remove contact lenses. 
Protect unharmed eye. 
If eye irritation persists, consult a specialist.

If swallowed :
Obtain medical attention. 
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

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)
- Suspected of damaging fertility or the unborn child.

Notes to physician

: No hazards which require special first aid measures.

### SECTION 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**

: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Water spray
- Foam
- Carbon dioxide (CO2)
- Dry chemical

**Unsuitable extinguishing media**

: High volume water jet

**Specific hazards during firefighting**

: Do not allow run-off from fire fighting to enter drains or water courses.

**Hazardous combustion products**

: carbon dioxide and carbon monoxide
- formaldehyde
- Hydrocarbons
- silicon oxides

**Specific extinguishing methods**

: Product is compatible with standard fire-fighting agents.

**Further information**

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for firefighters**

: In the event of fire, wear self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

: Use personal protective equipment.
- Ensure adequate ventilation.
- Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

Other information : Comply with all applicable federal, state, and local regulations.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering measures : 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.

Personal protective equipment

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.

Hand protection

Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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 as appropriate: impervious clothing Safety shoes Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures: Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid

Colour: clear

Odour: like fruit

Odour Threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Boiling point/boiling range: 95 °F / 35 °C (1,013.333333 hPa)

Calculated Phase Transition Liquid/Gas

Flash point: Not applicable

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper explosion limit: No data available

Lower explosion limit: No data available

Vapour pressure: 6.6666667 hPa (20 °C)

Calculated Vapor Pressure
Relative vapour density: No data available
Relative density: No data available
Density: 0.961 g/cm³
Solubility(ies):
  Water solubility: No data available
  Solubility in other solvents: No data available
Partition coefficient: n-octanol/water: No data available
Thermal decomposition: No data available
Viscosity:
  Viscosity, dynamic: No data available
  Viscosity, kinematic: No data available
Oxidizing properties: No data available

SECTION 10. STABILITY AND REACTIVITY
Reactivity: No decomposition if stored and applied as directed.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Product will not undergo hazardous polymerization.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: carbon dioxide and carbon monoxide, formaldehyde, Hydrocarbons, silicon oxides

SECTION 11. TOXICOLOGICAL INFORMATION
Information on likely routes of exposure:
  Inhalation
  Skin contact
  Eye Contact
  Ingestion
Acute toxicity
Not classified based on available information.

Components:
OCTAMETHYLCYCLOTETRASILOXANE:
Acute oral toxicity: LD 50 (Rat): > 4,800 mg/kg
Assessment: Not classified as acutely toxic by ingestion under GHS.

Acute inhalation toxicity: LC50 (Rat): 36 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity: LD50 (Rabbit): > 2,400 mg/kg
Assessment: Not classified as acutely toxic by dermal absorption under GHS.
Remarks: No mortality observed at this dose.

Skin corrosion/irritation
Not classified based on available information.

Components:
ALKOXY-TERMINATED AMINOALKYL-FUNCTIONAL SILOXANE:
Result: Not irritating to skin

OCTAMETHYLCYCLOTETRASILOXANE:
Species: Rabbit
Result: Not irritating to skin

Serious eye damage/eye irritation
Not classified based on available information.

Product:
Remarks: Unlikely to cause eye irritation or injury.

Components:
ALKOXY-TERMINATED AMINOALKYL-FUNCTIONAL SILOXANE:
Result: Irritating to eyes

OCTAMETHYLCYCLOTETRASILOXANE:
Species: Rabbit
Result: Slightly irritating to eyes

Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Components:
OCTAMETHYLCYCLOTETRASILOXANE:
Test Type: Maximisation Test (GPMT)
Species: Guinea pig
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 406

Germ cell mutagenicity
Not classified based on available information.

Components:
### OCTAMETHYLCYCLOTETRASILOXANE:

- **Genotoxicity in vitro**
  - Test Type: Ames test
  - Test species: Salmonella typhimurium
  - Metabolic activation: with and without metabolic activation
  - Result: negative

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Suspected of damaging fertility or the unborn child.

### Components:

- **OCTAMETHYLCYCLOTETRASILOXANE**:
  - Reproductive toxicity - Assessment
    - Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

**Product:**

Remarks: No data available

### Carcinogenicity:

- **IARC**
  - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

- **OSHA**
  - No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

- **NTP**
  - No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

**OCTAMETHYLCYCLOTETRASILOXANE**:

- **Toxicity to fish**
  - LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.022 mg/l
  - Exposure time: 96 h
  - Test Type: flow-through test
  - Remarks: No toxicity at the limit of solubility

- **Toxicity to daphnia and other aquatic invertebrates**
  - NOEC (Daphnia magna (Water flea)): >= 0.015 mg/l
  - Exposure time: 48 h
Test Type: flow-through test
Remarks: No toxicity at the limit of solubility

Toxicity to algae: EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.022 mg/l
End point: Growth inhibition
Exposure time: 96 h
Remarks: No toxicity at the limit of solubility

Toxicity to fish (Chronic toxicity): NOEC (Oncorhynchus mykiss (rainbow trout)): >= 0.0044 mg/l
Exposure time: 93 d
Test Type: flow-through test
Remarks: No toxicity at the limit of solubility

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Daphnia (water flea)): 0.0079 mg/l
Exposure time: 21 d
Test Type: flow-through test
Remarks: No toxicity at the limit of solubility

Ecotoxicology Assessment
Chronic aquatic toxicity: May cause long lasting harmful effects to aquatic life.

Persistence and degradability
OCTAMETHYLCYCLOTETRASILOXANE:
Biodegradability: Result: Not readily biodegradable.
Biodegradation: 3.7 %
Exposure time: 29 d
Method: OECD Test Guideline 310

Bioaccumulative potential
OCTAMETHYLCYCLOTETRASILOXANE:
Bioaccumulation: Species: Fathead minnow (Pimephales promelas)
Bioconcentration factor (BCF): 14,261
Exposure time: 28 d
Concentration: 0.00016 mg/l
Method: Flow through

Method: OECD Test Guideline 123

Mobility in soil
No data available

Other adverse effects
No data available

Product:
Additional ecological information: No data available
SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

General advice: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

<table>
<thead>
<tr>
<th>REGULATION</th>
<th>ID NUMBER</th>
<th>PROPER SHIPPING NAME</th>
<th>HAZARD CLASS</th>
<th>SUBSIDIARY HAZARDS</th>
<th>PACKING GROUP</th>
<th>MARINE POLLUTANT / LTD. QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES</td>
<td></td>
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<td>Not dangerous goods</td>
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<tr>
<td>INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER</td>
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<td></td>
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<td>Not dangerous goods</td>
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<tr>
<td>INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO</td>
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<td>Not dangerous goods</td>
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<tr>
<td>INTERNATIONAL MARITIME DANGEROUS GOODS</td>
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<td></td>
<td></td>
<td></td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>TRANSPORT CANADA - INLAND WATERWAYS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not dangerous goods</td>
</tr>
<tr>
<td>TRANSPORT CANADA - RAIL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not dangerous goods</td>
</tr>
</tbody>
</table>
TRANSPORT CANADA - ROAD
Not dangerous goods

U.S. DOT - INLAND WATERWAYS
Not dangerous goods

U.S. DOT - RAIL
Not dangerous goods

U.S. DOT - ROAD
Not dangerous goods

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant | no

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.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Chronic 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.

Pennsylvania Right To Know
DIMETHYL SILICONES AND SILOXANES 63148-62-9 90.00 - 100.00 %

New Jersey Right To Know
DIMETHYL SILICONES AND SILOXANES 63148-62-9 90.00 - 100.00 %
ALKOXY-TERMINATED AMINOALKYL-FUNCTIONAL SILOXANE 67923-07-3 1.00 - 5.00 %

California Prop 65 Proposition 65 warnings are not required for this product based on the results of a risk assessment.

The components of this product are reported in the following inventories:
TSCA : On TSCA Inventory
DSL: All components of this product are on the Canadian DSL.
AUSTRI: On the inventory, or in compliance with the inventory
NZIOC: On the inventory, or in compliance with the inventory
ENCS: On the inventory, or in compliance with the inventory
KECL: On the inventory, or in compliance with the inventory
PICCS: On the inventory, or in compliance with the inventory
IECSC: On the inventory, or in compliance with the inventory

Inventories:
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECl (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information
Revision Date: 05/22/2015

<table>
<thead>
<tr>
<th>NFPA:</th>
<th>HMIS III:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>Flammability</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

Health: 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

FLAMMABILITY: 0

PHYSICAL HAZARD: 0

Full text of H-Statements referred to under sections 2 and 3.
H226: Flammable liquid and vapor.
H319: Causes serious eye irritation.
H361: Suspected of damaging fertility or the unborn child.

Sources of key data used to compile the Safety Data Sheet
Ashland internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

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 SDS has been prepared by Ashland’s Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:
- ACGIH: American Conference of Industrial Hygienists
- BEI: Biological Exposure Index
- CAS: Chemical Abstracts Service (Division of the American Chemical Society)
- CMR: Carcinogenic, Mutagenic or Toxic for Reproduction
- FG: Food grade
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals
- H-statement: Hazard Statement
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulation by the “International Air Transport Association” (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI (ICAO): Technical Instructions by the “International Civil Aviation Organization”
- IMDG: International Maritime Code for Dangerous Goods
- ISO: International Organization for Standardization
- logPow: octanol-water partition coefficient
- LCxx: Lethal Concentration, for xx percent of test population
- LDxx: Lethal Dose, for xx percent of test population
- ICxx: Inhibitory Concentration for xx of a substance
- Ecxx: Effective Concentration of xx
- N.O.S.: Not Otherwise Specified
- OECD: Organization for Economic Co-operation and Development
- OEL: Occupational Exposure Limit
- P-Statement: Precautionary Statement
- PBT: Persistent, Bioaccumulative and Toxic
- PPE: Personal Protective Equipment
- STEL: Short-term exposure limit
- STOT: Specific Target Organ Toxicity
- TLV: Threshold Limit Value
- TWA: Time-weighted average
- vPvB: Very Persistent and Very Bioaccumulative
- WEL: Workplace Exposure Level
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
- DOT: Department of Transportation
- FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
- HMIRC: Hazardous Materials Information Review Commission
- HMIS: Hazardous Materials Identification System
- NFPA: National Fire Protection Association
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety and Health Administration
- PMRA: Health Canada Pest Management Regulatory Agency
Car Brite™ BUMPER KOTE™ Faded Bumper Restorer
CBOOC010-02

RTK : Right to Know
WHMIS : Workplace Hazardous Materials Information System