

155-028

# Muffler Cement

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 02/08/2017      Revision date: 02/08/2017      Version: 1.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixtures  
Product name : Muffler Cement  
Product code : 450

#### 1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Muffler Cement

#### 1.3. Supplier

Kleen-Flo Tumbler ind. Ltd.  
75 Advance Boulevard  
L6T 4N1 Brampton - CANADA  
T 905-793-4311

#### 1.4. Emergency telephone number

Emergency number : CANUTEC (613) 996-6666

Guidelines for SDS Use: The product described in this SDS is a consumer product. It is safe for use by consumers as described on the product label under normal foreseeable conditions. This SDS is designed to provide additional valuable safety and handling information.

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

Classification (GHS-CA)  
Acute Tox. 4 (Oral) H302  
Skin Irrit. 2 H315  
Eye Irrit. 2A H319

#### 2.2. GHS Label elements, including precautionary statements

GHS-CA labelling  
Hazard pictograms (GHS-CA) :



GHS07

Signal word (GHS-CA) : Warning

Hazard statements (GHS-CA) : H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation

Precautionary statements (GHS-CA) : P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves, eye protection, face protection  
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
P302+P352 - IF ON SKIN: Wash with plenty of water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P330 - Rinse mouth  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS-CA)

40% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

# Muffler Cement

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### 3.2. Mixtures

Name	Product Identifier	%
Sodium silicate	(CAS No) 1344-09-8	45-70

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after inhalation : May cause respiratory tract irritation.
- Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/injuries after ingestion : Harmful if swallowed. May cause stomach distress, nausea or vomiting.

### 4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Treat for surrounding material.

### 5.2. Unsuitable extinguishing media

- Unsuitable extinguishing media : Do not use water jet.

### 5.3. Specific hazards arising from the hazardous product

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.

### 5.4. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.2. Methods and materials for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Scoop up material and place in a disposal container.
- Other information : Spilled material may present a slipping hazard.

### 6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

# Muffler Cement

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Environmental exposure controls : Maintain levels below Community environmental protection thresholds.

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear chemically resistant protective gloves.

#### Eye protection:

Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### Other information:

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste
Colour	: Grey
Odour	: Odourless
Odour threshold	: No data available
pH	: 9 - 11.3
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: > 230 °C / 446 °F
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: 24 mm Hg at 25 °C
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: 0.6 (air = 1)
Relative density	: 1.7
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Viscosity, kinematic	: Thick viscous paste
Explosive limits	: No data available

### 9.2. Other information

VOC (%) : 30 - 35 %

# Muffler Cement

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal storage conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Heat.
Incompatible materials	: None known.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon.

### SECTION 11: Toxicological Information

#### 11.1 Information on toxicological effects

Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

Muffler Cement	
LD50 oral rat	1 - 2.2 g/kg
LD50 dermal rabbit	No data available
LC50 inhalation rat	No data available
Unknown acute toxicity (GHS-CA)	40% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

Sodium silicate (1344-09-8)	
LD50 oral rat	1960 mg/kg

Skin corrosion/irritation	: Causes skin irritation. pH: 9 - 11.3
Serious eye damage/irritation	: Causes serious eye irritation. pH: 9 - 11.3
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: Not classified.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.
Symptoms/injuries after inhalation	: May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: Causes skin irritation. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/injuries after ingestion	: Harmful if swallowed. May cause stomach distress, nausea or vomiting.

### SECTION 12: Ecological Information

#### 12.1 Toxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
-------------------	---

Sodium silicate (1344-09-8)	
LC50 fish 1	301 - 478 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
LC50 fish 2	3185 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])

#### 12.2 Persistence and degradability

Muffler Cement	
Persistence and degradability	Not established.

#### 12.3 Bioaccumulative potential

Muffler Cement	
Bioaccumulative potential	Not established.

# Muffler Cement

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

### Sodium silicate (1344-09-8)

BCF fish 1 (no bioaccumulation expected)

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Product/Packaging disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### Transportation of Dangerous Goods

Not regulated for transport

#### 14.2. Transport information/DOT

No additional information available

#### 14.3. Air and sea transport

No additional information available

### SECTION 15: Regulatory information

#### 15.1. National regulations

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

#### 15.2. International regulations

No additional information available

### SECTION 16: Other information

Date of issue : 02/08/2017  
Revision date : 02/08/2017  
Other information : None.  
Prepared by : Kleen-Flo Tumbler Ind. Ltd.

*Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.*