



# Material Safety Data Sheet

## Silicone Sealing Compound

Revision Number: 010.3

Issue Date: 23/07/2015

In compliance with European Regulation (EC) No. 1272/2008 & 453/2010

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** BGA Silicone Sealing Compound

**Product type:** Elastomeric rubber

**Region:** United Kingdom

**Company name:** BG Automotive Limited

**Company address:** BGA House, Cheney Manor Industrial Estate, Swindon SN2 2DS

**Website:** www.bgautomotive.co.uk

## 2. HAZARD IDENTIFICATION

**Toxicity:** May cause eye and skin irritation. If exposed to moisture, Butanone Oxime may be formed. May be harmful if swallowed. May irritate lips, gums, tongue, mouth, nose and throat.

**Primary routes of entry:** Eye and skin contact, ingestion and inhalation.

**Signs and symptoms of exposure:** Butanone Oxime produced during curing is toxic and can irritate eyes, nose and throat. Overexposure to Silane may cause a coma and respiratory failure.

**Medical conditions recognised as being aggravated by exposure:** Pre-existing eye, skin and respiratory disorders may be aggravated by overexposure to this product.

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

· **Classification according to Regulation (EC) No 1272/2008:**

The product is not classified according to the CLP regulation.

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.**

· **Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data

### 2.2. LABEL ELEMENTS

· **Labeling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

· **Special labeling of certain preparations:**

Safety data sheet available for professional user on request.



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### 2.3. OTHER HAZARDS

#### · Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

## 3. COMPOSITION

Component	%	ACGIH; TLV-TWA	OSHA
POLY DIMETHYLSILOXANE HYDROXY TERMINATED 70131-67-8	20 - 40	Not listed	Not listed
CALCIUM CARBONATE 471-34-1	20 - 30	10 mg/m3	Not listed
LIMESTONE 1317-65-3	15 - 25	Not listed	15 mg/m3
SYNTHETIC ISOPARAFFINIC HYDROCARBON 64742-47-8	5 - 15	Not listed	Not listed
VINYL OXIMINOSILANE 2224-33-1	< 5	Not listed	Not listed
STEARIC ACID 57-11-4	4 < 2	Not listed	Not listed
2-BUTANONE OXIME 96-29-7	0.5 - 2.0	Not listed	Not listed

#### SYNTHETIC ISOPARAFFINIC HYDROCARBON 64742-47-8



H304: May be fatal if swallowed and enters airways

No specific concentration limits

#### 2-BUTANONE OXIME 96-29-7



H312: Harmful in contact with skin

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H351: Suspected of causing cancer

No specific concentration limits

## 4. FIRST AID MEASURES

**Ingestion:** Rinse mouth. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, seek medical advice.

**Skin contact:** Wipe using a paper towel or cloth. Wash off with soap and water. If skin irritation persists, seek medical advice.

**Eye contact:** Immediately flush eyes with water for at least 15 minutes. If irritation continues, seek medical advice.



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### 5. FIRE FIGHTING MEASURES

**Flash point °C (°F):** > 93.99°C (> 200°F TCC)

**Recommended extinguishing methods:** Carbon dioxide, dry chemicals or foam.

**Special fire fighting procedures:** Water spray may be ineffective on flames but should be used to keep exposed materials cool.

**Hazardous products of combustion:** Oxides of Carbon, Oxides of Nitrogen, Methyl Ethyl Ketone. Possibly Silica fumes and Formaldehyde.

**Unusual fire/explosion hazards:** None

**Lower explosive limit:** Not determined

**Upper explosive limit:** Not determined

### 6. ACCIDENTAL RELEASE MEASURES

**Spill procedures:** Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well ventilated area and allow to cure. Clean up spills thoroughly as residue is slippery.

### 7. HANDLING AND STORAGE

**Storage:** Keep containers tightly closed in a cool, well-ventilated place. Store away from water or moisture.

**Handling:** Avoid contact with skin and eyes. Do not wear contact lenses. Wash hands before eating and smoking. Product may cause surfaces to become slippery.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Eyes:** Safety glasses.

**Skin:** Neoprene or nitrile gloves recommended.

**Ventilation:** Local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

**Respiratory Protection:** An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.



### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (CONT.)

**Comments:** When heated to temperatures above 148°C / 300°F in the presence of air, this product can form Formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitiser. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for Formaldehyde.

Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended:

Fluoroelastomer (Viton), Nitrile Rubber and Polyethylene/Ethylene Vinyl Alcohol

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Paste

**Specific gravity:** 0.95 ~ 1.05

**Odor:** Neutral

**VOC (Wt.%):** < 4%

**Boiling point:** Not applicable, polymeric material

**Vapor pressure:** < 5 mm Hg @ 26°C / 80°F

**pH:** Does not apply

**Vapor density (Air=1):** 3.0

**Solubility in water:** Polymerized

**Evaporation rate:** Not determined

### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable at normal conditions.

**Hazardous polymerization:** Will not occur.

**Incompatibilities:** Polymerized by contact with moisture, strong oxidizers, acids and iron.

**Conditions to avoid:** Exposure to moisture.

**Hazardous products of combustion:** Oxides of Carbon, Oxides of Nitrogen, Methyl Ethyl Ketone. Possibly Silica fumes and Formaldehyde.



## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity. Primary irritant effect...

**on the skin:** Slight irritation possible.

**on the eye:** Slight irritation possible.

**Sensitization:** No sensitising effects known.

### Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU

Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Other information:** The product is not biodegradable.

### Behaviour in environmental systems

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment recommendations

Uncured product may not be disposed of together with household waste and may not reach sewage system. To dispose of, open product containers and let them stand in open air until the reaction is finished totally (means there is no more smell). After that, waste can be disposed of as the cured product.

Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.

### European Waste Catalogue

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

### Uncleaned packaging recommendations

Empty packages totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.



## 14. TRANSPORT INFORMATION

**Proper shipping name:** Not regulated

**Hazard class:** None

**Class or division:** None

**UN number:** None

**UN/ID number:** None

**Marine pollutant:** None

**Proper shipping:** Not regulated

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

- Directive 1999/45/EC.
- "CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).
- "CHIP" SI 2009 No.716.
- "REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).
- Reach Regulation (EC) No 453/2010.

### National regulations

**Additional classification according to Decree on Hazardous Materials, Annex II:** No further relevant information available.

**Information about limitation of use:** No further relevant information available.

### Other regulations, limitations and prohibitive regulations

**Substances of very high concern (SVHC) according to REACH, Article 57:** Not applicable.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16. OTHER INFORMATION

**Estimated NFPA Rating:** HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

**Estimated HMIS Classification:** HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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