



To Our Customers:

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All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs in accordance with the requirements of the OSHA Hazard Communication Standard in order to assist our customers in their compliance efforts. We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Compliance Services

Zep Inc.

# SAFETY DATA SHEET



Date Prepared : 04/23/2015

SDS No : 0023-04-2015G TOYOTA (103 FIPG)

Date-Revised : 06/15/2015

Revision No : 2

## TOYOTA SEAL PACKING 103 (FIPG)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TOYOTA SEAL PACKING 103 (FIPG)

**PRODUCT DESCRIPTION:** One component silicone rubber compound

**PRODUCT CODE:** 00295-00103

#### DISTRIBUTOR

ThreeBond International, Inc.  
6184 Schumacher Park Drive  
West Chester, OH 45069  
**Emergency Phone:** (513) 779-7300

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (Domestic North America):**(800) 424 - 9300

**CHEMTREC (International):**(703) 527 - 3887

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin corrosion/irritation, Category 2

Serious eye damage/Eye irritation, Category 2

#### GHS LABEL



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H315: Causes skin irritation.

H319: Causes serious eye irritation.

#### Precautionary statement(s)

##### Prevention:

P264: Wash hands and/or skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

##### Response:

P302+P352: IF ON SKIN: Wash with plenty of water

P321: Specific treatment (see Response on this label).

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/Doctor/Medical Professional

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P337+P313: If eye irritation persists: Get medical advice/attention.

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Causes irritation or damage to eyes

### POTENTIAL HEALTH EFFECTS

**EYES:** Corrosive, contact causes severe eye burns.

**SKIN:** Direct contact with uncured product or its vapor may cause slight irritation to skin. Prolonged or repeated contact may lead to dermatitis.

**SKIN ABSORPTION:** May be absorbed through the skin in harmful amounts.

**INGESTION:** Not a likely route of entry. Substance may be harmful if swallowed.

**INHALATION:** Vapors are irritating to the respiratory tract.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name  | Wt. %  | CAS        |
|--|--------|------------|
| Alkenoxysilane   | 1 - 10 |            |
| Carbon black   | 1 - 10 | 1333-86-4  |
| 1,1,3,3-Tetramethyl-2-[3-(trimethoxysilyl)propyl]guanidine | < 0.5  | 69709-01-9 |

**COMMENTS:** Acetone (67-64-1): Cracked gas

### 4. FIRST AID MEASURES

**EYES:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

**SKIN:** Remove from skin and immediately flush with water for at least 15 minutes. For frostbite, immerse skin in lukewarm water. Do not use hot water. Get medical attention if irritation or ill effects develop or persist.

**INGESTION:** If swallowed, rinse mouth well with water if person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention

**INHALATION:** Remove to fresh air. Get medical attention if ill effects occur.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Severe eye irritation. Symptoms may instinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

**NOTES TO PHYSICIAN:** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Non-flammable

**GENERAL HAZARD:** By heating and fire, harmful vapors/gases may be formed. Nitrogen oxides. (corrosive)

**EXTINGUISHING MEDIA:** Carbon dioxide, water, water fog (or spray), dry chemical, and foam.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**FIRE FIGHTING EQUIPMENT:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode/flame retardant coat/helmet/gloves/rubber boots.

**FIRE EXPLOSION:** No unusual fire or explosion hazards noted

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container.

**LARGE SPILL:** Dike and prevent overflow. Guide to a safe place then dispose properly.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not allow product to flow into rivers or affect the environment

**GENERAL PROCEDURES:** All ignition sources should be quickly removed (No smoking in the vicinity, prohibit sparks or fire sources)

**RELEASE NOTES:** Keep spilled material from entering storm drains, sewers, or other environmental mediums.

**SPECIAL PROTECTIVE EQUIPMENT:** Wear appropriate personal protection equipment to avoid contact to eyes, skin, and inhalation.

**COMMENTS:** Disposal of clean-up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Take precaution against fire.

**HANDLING:** Fire strictly prohibited. Avoid contact with eyes and skin. Wear appropriate personal protection. Wash thoroughly after handling.

**STORAGE:** Keep container closed when not in use. Store in a dry, cool, well-ventilated area. Store away from heat, sources of ignition, water, or moisture.

**STORAGE TEMPERATURE:** 0°C Minimum to 30°C Maximum

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |     |                 |                              |           |                            |
|---|-----|-----------------|------------------------------|-----------|----------------------------|
|   |     | EXPOSURE LIMITS |                              |           |                            |
|   |     | OSHA PEL        |                              | ACGIH TLV |                            |
| Chemical Name                               |     | ppm             | mg/m <sup>3</sup>            | ppm       | mg/m <sup>3</sup>          |
| Carbon black                                | TWA | [1]             | 3.5<br>mg/m <sup>3</sup> [1] |           | (3.5)<br>mg/m <sup>3</sup> |
| <b>OSHA TABLE COMMENTS:</b>                 |     |                 |                              |           |                            |
| 1. Inhalable fraction                       |     |                 |                              |           |                            |

**ENGINEERING CONTROLS:** Explosion proof general and local exhaust ventilation. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and/or open for at least 24 hours after applicaion.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

**SKIN:** Use neoprene, nitrile, or rubber gloves to prevent skin contact.

**RESPIRATORY:** Respiration protection must be worn whenever the WEL levels have been exceeded. Use filter type A according to EN 14387.

**PROTECTIVE CLOTHING:** Wear appropriate thermal protective clothing, when necessary

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**WORK HYGIENIC PRACTICES:** Wash hands before eating, smoking, or using restroom. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**COMMENTS:** Do not get in eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Paste

**ODOR:** Acetone (CAS 67-64-1)

**ODOR THRESHOLD:** No information available

**APPEARANCE:** Paste

**COLOR:** Black

**pH:** Not Available

**FLASHPOINT AND METHOD:** > 94°C (201.2°F) Closed Cup

**Notes:** Does not sustain combustion.

**FLAMMABLE LIMITS:** 2.1 % v/v [Acetone] to 13.0% v/v [Acetone]

**AUTOIGNITION TEMPERATURE:** No data available

**VAPOR PRESSURE:** Negligible (25° C)

**VAPOR DENSITY:** (Air=1): greater than 1

**BOILING POINT:** Not applicable (solid)

**FREEZING POINT:** No information available

**MELTING POINT:** Not Applicable

**THERMAL DECOMPOSITION:** No information available

**SOLUBILITY IN WATER:** Not soluble

**EVAPORATION RATE:** less than 1 (Butyl acetate=1)

**DENSITY:** Relative Density (at 23 deg C): 1.02

**SPECIFIC GRAVITY:** Not available

**VISCOSITY #1:** to 100 Pa·s at 23°C

**COEFF. OIL/WATER:** No information available

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** No information available

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization cannot occur.

**STABILITY:** Stable under normal handling

**CONDITIONS TO AVOID:** None known.

**POSSIBILITY OF HAZARDOUS REACTIONS:** No dangerous reactions under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** This product reacts with water, moisture or humid air to evolve following compounds: Acetone

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous

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decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Nitrogen oxides. Formaldehyde.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents. Water, moisture

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

| Chemical Name | ORAL LD <sub>50</sub><br>(rat) | DERMAL<br>LD <sub>50</sub> (rabbit) |
|---------------|--------------------------------|-------------------------------------|
| Carbon black  | > 8000 rat<br>(mg/kg)          | 3000<br>Rabbit/mg/kg                |

**DERMAL LD<sub>50</sub>:** 4290 mg/kg (rabbit)

**Notes:** Alkoxysilane (CAS Proprietary)

**ORAL LD<sub>50</sub>:** > 3000 Mouse/rabbit/rat (Acetone decomposed product.)

**INHALATION LC<sub>50</sub>:** > 50.1 mg/l, 8 hours (Acetone, decomposed product) Rat

**EYE EFFECTS:** Causes serious eye irritation

**SKIN EFFECTS:** Causes skin irritation.

**CHRONIC:** Prolonged exposure may cause chronic effects.

#### CARCINOGENICITY

| Chemical Name | IARC<br>Status | Other        |
|---------------|----------------|--------------|
| Carbon black  | 2B             | ACGIH:<br>A4 |

**IARC:** Carbon black (CAS #1333-86-4) 2B Possibly carcinogenic to humans.(air borne/undound)

**OSHA:** Not Listed

**Notes:** None known.

**REPRODUCTIVE EFFECTS:** Suspected of damaging fertility or the unborn child (Acetone)

**TARGET ORGANS:** Acute: Respiratory tract irritation. Narcotic effects. [Acetone]

Prolonged/repeated exposure: blood. [Acetone]

**MUTAGENICITY:** None known.

### 12. ECOLOGICAL INFORMATION

**BIOACCUMULATION/ACCUMULATION:** Not available

**AQUATIC TOXICITY (ACUTE):** Acetone (67-64-1)

**96-HOUR LC<sub>50</sub>:** > 100 mg/l (Pimephales promelas)

**48-HOUR EC<sub>50</sub>:** 23.9 mg/l (daphnia magna)

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Waste must be disposed of in accordance with federal, state and local environmental control

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regulations. Consult your licensed waste contractor for detailed recommendations.

**EMPTY CONTAINER:** All containers should be thoroughly emptied before disposal.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not restricted by DOT

**OTHER SHIPPING INFORMATION:** This product is not intended to be transported in bulk.

**AIR (ICAO/IATA):** Not an IATA controlled material

**VESSEL (IMO/IMDG):** Not an IMDG controlled material.

### 15. REGULATORY INFORMATION

#### UNITED STATES

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA REGULATORY:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**TSCA STATUS:** All ingredients are in compliance with the TSCA

##### STATES WITH SPECIAL REQUIREMENTS

| Chemical Name | Requirements  |
|---------------|---|
| Carbon black  | This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances.<br>This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances. |

**CALIFORNIA PROPOSITION 65:** WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Carbon Black (bound)

| Chemical Name | Wt. %  | Listed |
|---------------|--------|--------|
| Carbon black  | 1 - 10 | Cancer |

### 16. OTHER INFORMATION

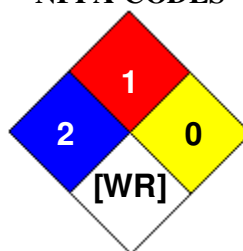
**Date-Revised:** 06/15/2015

**REVISION SUMMARY:** This MSDS replaces the 05/21/2015 MSDS. Revised: **Section 9:** FREEZING POINT, ODOR THRESHOLD, pH, SPECIFIC GRAVITY, THERMAL DECOMPOSITION.

#### HMIS RATING

|                            |   |          |
|----------------------------|---|----------|
| <b>HEALTH</b>              | * | <b>2</b> |
| <b>FLAMMABILITY</b>        |   | <b>1</b> |
| <b>PHYSICAL HAZARD</b>     |   | <b>0</b> |
| <b>PERSONAL PROTECTION</b> |   | <b>C</b> |

#### NFPA CODES



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hazards are described herein, we cannot guarantee that these are the only hazards that exist.