



## SAFETY DATA SHEET

### SECTION 1. Identification of the hazardous chemical substance or mixture and of the supplier or manufacturer

|  |   |                 |
|--|---|-----------------|
| <b>Name of the hazardous chemical substance or mixture</b>                                     | <b>Food Zone Silicone Sealant - Aluminum - 298 mL</b>   |                 |
| <b>Other means of identification</b>   |   |                 |
| <b>Product Code</b>  | Item# 1751557   |                 |
| <b>Recommended use of the hazardous chemical substance or mixture, and restrictions of use</b> |   |                 |
| <b>Recommended use</b>   | Sealant and adhesive  |                 |
| <b>Recommended restrictions</b>  | None known.   |                 |
| <b>Suppliers details</b>   |   |                 |
| <b>Company name</b>  | CRC Industrias de Mexico S. de R. L. de C.V.  |                 |
| <b>Address</b>   | Cerrada Canadá 201-H<br>Fraccionamiento Industrial Martel<br>Santa Catarina, NL 66367<br>Mexico |                 |
| <b>Telephone</b>   | General Information   | 81-2139-0572    |
| <b>Website</b>   | www.crc-mexico.com  |                 |
| <b>E-mail</b>  | SoporteTecnico@crcind.com   |                 |
| <b>Emergency phone number</b>  | 24-Hour Emergency   | 01-800-681-9531 |

### SECTION 2. Hazard identification

|  |  |            |
|--|--|------------|
| <b>Classification of the substance or mixture</b>                                      |  |            |
| <b>Physical hazards</b>  | Not classified.  |            |
| <b>Health hazards</b>  | Not classified.  |            |
| <b>Environmental hazards</b>   | Hazardous to the aquatic environment, acute hazard   | Category 3 |
|  | Hazardous to the aquatic environment, long-term hazard   | Category 3 |
| <b>Elements of labeling, including precautionary statements and warning pictograms</b> |  |            |
| <b>Hazard symbols</b>  | None.  |            |
| <b>Signal word</b>   | None.  |            |
| <b>Hazard statement</b>  |  |            |
| H402   | Harmful to aquatic life.   |            |
| H412   | Harmful to aquatic life with long lasting effects.   |            |
| <b>Precautionary statement</b>   |  |            |
| <b>Prevention</b>  |  |            |
| P273   | Use with adequate ventilation.<br>Avoid release to the environment.  |            |
| <b>Response</b>  | Wash hands after handling.   |            |
| <b>Storage</b>   | Store away from incompatible materials.  |            |
| <b>Disposal</b>  |  |            |
| P501   | Dispose of contents/container in accordance with local/regional/national/international regulations.  |            |
| <b>Other hazards which do not result in classification</b>                             | None known.  |            |
| <b>Supplemental information</b>  | When heated to temperature above 300°F/150°C in the presence of air, product may form formaldehyde vapors. When exposed to water or humid air, product evolves acetic acid (HOAc). |            |

### SECTION 3. Composition/information on ingredients

#### Mixtures

| Chemical identity                        | Common name(s), synonym(s) | CAS number and other unique identifiers | Concentration |
|--|----------------------------|---|---------------|
| polydimethylsiloxane, hydroxy-terminated |                            | 70131-67-8                              | 70 - 80       |
| aluminum                                 |                            | 7429-90-5                               | 1 - 3         |
| titanium dioxide                         |                            | 13463-67-7                              | 1 - 3         |
| carbon black                             |                            | 1333-86-4                               | < 1           |

**Composition comments** Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4. First-aid measures

### Description of necessary first-aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.                      |
| <b>Skin contact</b> | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.             |
| <b>Ingestion</b>    | Rinse mouth. Get medical attention if symptoms occur.                                    |

**Most important symptoms/effects, acute and delayed** Direct contact with eyes may cause temporary irritation.

**Indication of immediate medical attention and special treatment needed** Treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## SECTION 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective actions for firefighters** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Fire fighting equipment/instructions** In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

**General fire hazards** No unusual fire or explosion hazards noted.

## SECTION 6. Measures that must be taken in the event of accidental spillage or an accidental leak

### Personal precautionary measures, protective equipment and emergency procedure

**For non-emergency personnel** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**For emergency responders** Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

**Methods and materials for containing and cleaning up spills or releases** Prevent product from entering drains. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

## SECTION 7. Handling and storage

**Precautions for safe handling** Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Use care in handling/storage. For product usage instructions, see the product label.

**Conditions for safe storage, including any incompatibilities** Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

##### Mexico. Occupational Exposure Limit Values

| Components                        | Type | Value                | Form                 |
|-----------------------------------|------|----------------------|----------------------|
| aluminum (CAS 7429-90-5)          | TWA  | 1 mg/m <sup>3</sup>  | Respirable fraction. |
| carbon black (CAS 1333-86-4)      | TWA  | 3 mg/m <sup>3</sup>  | Inhalable fraction.  |
| titanium dioxide (CAS 13463-67-7) | TWA  | 10 mg/m <sup>3</sup> |                      |

##### US. ACGIH Threshold Limit Values

| Components                        | Type | Value                | Form                 |
|-----------------------------------|------|----------------------|----------------------|
| aluminum (CAS 7429-90-5)          | TWA  | 1 mg/m <sup>3</sup>  | Respirable fraction. |
| carbon black (CAS 1333-86-4)      | TWA  | 3 mg/m <sup>3</sup>  | Inhalable fraction.  |
| titanium dioxide (CAS 13463-67-7) | TWA  | 10 mg/m <sup>3</sup> |                      |

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Exposure guidelines

Occupational Exposure Limits are not relevant to the current physical form of the product.

#### Control banding approach

Not available.

#### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Wear safety glasses with side shields (or goggles).

##### Skin protection

###### Hand protection

Wear protective gloves such as: Nitrile. Butyl rubber.

###### Other

Wear appropriate chemical resistant clothing.

##### Respiratory protection

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.

##### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## SECTION 9. Physical and chemical properties

### Appearance

#### Physical state

Solid, Liquid.

#### Form

Paste.

#### Color

Aluminum.

#### Odor

Acetic acid.

#### Odor threshold

Not available.

#### pH

Not available.

#### Melting point/freezing point

Not available.

#### Initial boiling point and boiling range

680 °F (360 °C) estimated

#### Flash point

> 212 °F (> 100 °C) Closed Cup

|   |                           |
|---|---------------------------|
| <b>Evaporation rate</b>                             | Not available.            |
| <b>Flammability (solid, gas)</b>                    | Not available.            |
| <b>Upper/lower flammability or explosive limits</b> |                           |
| <b>Flammability limit - lower (%)</b>               | Not available.            |
| <b>Flammability limit - upper (%)</b>               | Not available.            |
| <b>Vapor pressure</b>                               | 791.8 hPa estimated       |
| <b>Vapor density</b>                                | Not available.            |
| <b>Relative density</b>                             | 1.01                      |
| <b>Solubility(ies)</b>                              |                           |
| <b>Solubility (water)</b>                           | Not available.            |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.            |
| <b>Auto-ignition temperature</b>                    | 500 °F (260 °C) estimated |
| <b>Decomposition temperature</b>                    | Not available.            |
| <b>Viscosity</b>                                    | Not available.            |
| <b>Molecular weight</b>                             | Not available.            |

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## SECTION 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>Conditions that must be avoided</b>    | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Contact with incompatible materials. When heated to temperature above 300°F/150°C in the presence of air, product may form formaldehyde vapors. When exposed to water or humid air, product evolves acetic acid (HOAc). |
| <b>Incompatible materials</b>             | Strong oxidizing agents. Water, moisture.  |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Silicone dioxide. Formaldehyde. Metal oxides. Nitrogen oxides (NOx).  |

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## SECTION 11. Toxicological information

### Information about likely routes of entry

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No adverse effects due to inhalation are expected.       |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                   |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Numerical measures of toxicity (such as acute toxicity estimates)

**Acute toxicity** Not known.

| <b>Components</b>            | <b>Species</b> | <b>Test Results</b> |
|------------------------------|----------------|---------------------|
| aluminum (CAS 7429-90-5)     |                |                     |
| <u><b>Acute</b></u>          |                |                     |
| <b>Oral</b>                  |                |                     |
| LD50                         | Rat            | > 15900 mg/kg       |
| carbon black (CAS 1333-86-4) |                |                     |
| <u><b>Acute</b></u>          |                |                     |
| <b>Oral</b>                  |                |                     |
| LD50                         | Rat            | > 8000 mg/kg        |

| Components  | Species  | Test Results        |
|---|--|---------------------|
| titanium dioxide (CAS 13463-67-7)                         |  |                     |
| <b>Acute</b>  |  |                     |
| <b>Dermal</b>   |  |                     |
| LD50  | Rabbit   | > 10000 mg/kg       |
| <b>Inhalation</b>   |  |                     |
| LC50  | Rabbit   | > 6.8 mg/l, 4 hours |
| <b>Oral</b>   |  |                     |
| LD50  | Rat  | > 10000 mg/kg       |
| <b>Skin corrosion/irritation</b>                          | Prolonged skin contact may cause temporary irritation.   |                     |
| <b>Serious eye damage/eye irritation</b>                  | Direct contact with eyes may cause temporary irritation.   |                     |
| <b>Respiratory or skin sensitization</b>                  |  |                     |
| <b>Respiratory sensitization</b>                          | Not a respiratory sensitizer.  |                     |
| <b>Skin sensitization</b>                                 | This product is not expected to cause skin sensitization.  |                     |
| <b>Germ cell mutagenicity</b>                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |                     |
| <b>Carcinogenicity</b>                                    | Not classifiable as to carcinogenicity to humans.  |                     |
| <b>ACGIH Carcinogens</b>                                  |  |                     |
| aluminum (CAS 7429-90-5)                                  | A4 Not classifiable as a human carcinogen.   |                     |
| titanium dioxide (CAS 13463-67-7)                         | A4 Not classifiable as a human carcinogen.   |                     |
| <b>Reproductive toxicity</b>                              | This product is not expected to cause reproductive or developmental effects.                                     |                     |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.  |                     |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |                     |
| <b>Aspiration hazard</b>                                  | Not an aspiration hazard.  |                     |
| <b>Other information</b>                                  | Not available.   |                     |

## SECTION 12. Ecotoxicological information

|                                      |   |  |                            |
|--------------------------------------|---|--|----------------------------|
| <b>Toxicity</b>                      | Harmful to aquatic life with long lasting effects.  |  |                            |
| <b>Components</b>                    |   |  |                            |
| aluminum (CAS 7429-90-5)             |   |  |                            |
| <b>Aquatic</b>                       |   |  |                            |
| Fish                                 | LC50  | Grass carp, white amur (Ctenopharyngodon idella) | 0.21 - 0.31 mg/l, 96 hours |
| titanium dioxide (CAS 13463-67-7)    |   |  |                            |
| <b>Aquatic</b>                       |   |  |                            |
| Crustacea                            | EC50  | Water flea (Daphnia magna)                       | > 1000 mg/l, 48 hours      |
| <i>Acute</i>                         |   |  |                            |
| Fish                                 | LC50  | Fathead minnow (Pimephales promelas)             | 1000 mg/l, 96 hours        |
| <b>Persistence and degradability</b> | No data is available on the degradability of any ingredients in the mixture.  |  |                            |
| <b>Bioaccumulative potential</b>     |   |  |                            |
| <b>Bioconcentration factor (BCF)</b> |   |  |                            |
| titanium dioxide                     | 352   |  |                            |
| <b>Mobility in soil</b>              | No data available.  |  |                            |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |  |                            |

## SECTION 13. Disposal considerations

### Disposal methods

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

## SECTION 14. Transport information

### SCT

Not regulated as dangerous goods.

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

## SECTION 15. Regulatory information

### Safety, health and environmental regulations specific for the hazard chemical substance or mixture in question

#### Mexico. Hazard identification guidance list (NOM-018-STPS)

|                                   |         |
|-----------------------------------|---------|
| aluminum (CAS 7429-90-5)          | Listed. |
| carbon black (CAS 1333-86-4)      | Listed. |
| titanium dioxide (CAS 13463-67-7) | Listed. |

#### Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)

Not listed.

### International regulations

#### Montreal Protocol

Not applicable.

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Basel Convention

Not applicable.

### International Inventories

| Country(s) or region | Inventory name   | On inventory (yes/no)* |
|----------------------|--|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada               | Domestic Substances List (DSL)   | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe               | European Inventory of Existing Commercial Chemical Substances (EINECS) | No                     |
| Europe               | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                | Inventory of Existing and New Chemical Substances (ENCS)               | No                     |

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Korea                       | Existing Chemicals List (ECL)                                     | Yes                    |
| New Zealand                 | New Zealand Inventory   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                        | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16. Other included information relevant to the preparation and updating of safety data sheets

**Issue date** 05-31-2019

**Version #** 01

### List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

DOT: Department of Transportation (49 CFR 172.101).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG Code: International Maritime Dangerous Goods Code.

MARPOL: International Convention for the Prevention of Pollution from Ships.

SCT: Secretariat of Communications and Transportation (NOM-002-SCT/2011).

### References

Workplace Threshold Quantities of Hazardous Chemicals

NOM-047-SSA1-2011 – Workplace Biological Exposure Indices (BEIs) to Chemical Substances

NOM-028-STPS-2012 – Work-Safety Management System for Processes and Critical Equipment Handling Hazardous Chemical Substances

NOM-018-STPS-2000 – Workplace Hazardous Chemical Substances Communication and Identification Standard

NOM-010-STPS-2014 (second revision) – Occupational Exposure Limits – becomes effective on April 28, 2016

### Disclaimer

This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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. This information is accurate to the best of CRC's knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. For further clarification of any information contained on this (M)SDS consult your supervisor, a health & safety professional, or CRC Industrias de Mexico S. de R. L. de C.V..