SAFETY DATA SHEET

1. Identification

Product identifier Water Based Silicone
Other means of identification
Product code 03035
Recommended use Silicone-based multi-purpose lubricant
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information
Manufactured or sold by:
Company name CRC Industries, Inc.
Address 885 Louis Dr.
Warminster, PA 18974 US
Telephone General Information 215-674-4300
Technical Assistance 800-521-3168
Customer Service 800-272-4620
24-Hour Emergency (CHEMTREC) 703-527-3887 (International)
Website www.crcindustries.com

2. Hazard(s) identification

Physical hazards Gases under pressure Liquefied gas
Health hazards Not classified.
Environmental hazards Not classified.
OSHA defined hazards Not classified.

Label elements

Signal word Warning
Hazard statement Contains gas under pressure; may explode if heated.
Precautionary statement
Prevention Observe good industrial hygiene practices. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 49°C/120°F. Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area.
Response Wash hands after handling.
Storage Protect from sunlight. Store in a well-ventilated place. Exposure to high temperature may cause can to burst.
Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information
When heated to temperature above 300°F/150°C in the presence of air, product may form formaldehyde vapors.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>7732-18-5</td>
<td>70 - 80</td>
</tr>
<tr>
<td>Liquefied Petroleum Gas</td>
<td></td>
<td>68476-86-8</td>
<td>10 - 20</td>
</tr>
<tr>
<td>White mineral oil</td>
<td></td>
<td>8042-47-5</td>
<td>10 - 20</td>
</tr>
</tbody>
</table>
Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

**Inhalation**
If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Skin contact**
Rinse skin with water/shower. Get medical attention if irritation develops and persists.

**Eye contact**
Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion**
In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

**Indication of immediate medical attention and special treatment needed**
Provide general supportive measures and treat symptomatically.

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

5. Fire-fighting measures

**Suitable extinguishing media**

**Unsuitable extinguishing media**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**
Contents under pressure.

**Special protective equipment and precautions 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. Containers should be cooled with water to prevent vapor pressure build up. In the event of fire, cool tanks with water spray.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**
Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

**Precautions for safe handling**
Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. For product usage instructions, please see the product label.

**Conditions for safe storage, including any incompatibilities**
Level 1 Aerosol.

Materials name: Water Based Silicone

Material name: Water Based Silicone

SDS US
1732 Version #: 01 Issue date: 01-30-2014
8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia (CAS 7664-41-7)</td>
<td>35 mg/m³</td>
<td>PEL</td>
</tr>
<tr>
<td></td>
<td>50 ppm</td>
<td></td>
</tr>
<tr>
<td>White mineral oil (petroleum) (CAS 8042-47-5)</td>
<td>5 mg/m³</td>
<td>PEL</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
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</thead>
<tbody>
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<td>Ammonia (CAS 7664-41-7)</td>
<td>STEL</td>
<td>35 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>25 ppm</td>
</tr>
<tr>
<td>White mineral oil (petroleum) (CAS 8042-47-5)</td>
<td>TWA</td>
<td>5 mg/m³ Inhalable fraction.</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
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<tbody>
<tr>
<td>Ammonia (CAS 7664-41-7)</td>
<td>STEL</td>
<td>27 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>18 mg/m³</td>
</tr>
<tr>
<td></td>
<td>25 ppm</td>
<td></td>
</tr>
<tr>
<td>White mineral oil (petroleum) (CAS 8042-47-5)</td>
<td>STEL</td>
<td>10 mg/m³ Mist.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³ Mist.</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
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<th>Value</th>
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</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³ Mist.</td>
</tr>
</tbody>
</table>

Biological limit values

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

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.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear protective gloves such as: Butyl rubber. Neoprene.

Other

Wear appropriate chemical resistant clothing.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Air monitoring is needed to determine actual employee exposure levels.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

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.

9. Physical and chemical properties

Appearance

Physical state: Liquid.
Form: Aerosol.
Color: Creamy white.
Odor threshold: Not available.
pH: 9.7
Melting point/freezing point: 32 °F (0 °C) estimated
Initial boiling point and boiling range: 212 °F (100 °C) estimated
Flash point: None (Tag Closed Cup)
Evaporation rate: Slow.
Flammability (solid, gas): Not available.
Upper/lower flammability or explosive limits

- **Flammability limit - lower** (%): 16 % estimated
- **Flammability limit - upper** (%): 25 % estimated

**Vapor pressure**: 521.3 hPa estimated

**Vapor density**: Not available.

**Relative density**: 0.94 estimated

**Solubility (water)**: Dispersible.

**Partition coefficient (n-octanol/water)**: Not available.

**Auto-ignition temperature**: 500 °F (260 °C) estimated

**Decomposition temperature**: Not available.

**Viscosity (kinematic)**: Not available.

**Percent volatile**: 97.2 % estimated

10. **Stability and reactivity**

**Reactivity**: The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**: Material is stable under normal conditions.

**Possibility of hazardous reactions**: No dangerous reaction known under conditions of normal use.

**Conditions to avoid**: Heat, flames and sparks. When heated to temperature above 300°F/150°C in the presence of air, product may form formaldehyde vapors. Contact with incompatible materials.

**Incompatible materials**: Strong oxidizing agents.


11. **Toxicological information**

**Information on likely routes of exposure**

- **Ingestion**: Expected to be a low ingestion hazard. If swallowed, mild irritation to mouth, throat and other tissues of gastrointestinal system may result.

- **Inhalation**: Prolonged or excessive inhalation may cause respiratory tract irritation.

- **Skin contact**: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

- **Eye contact**: Direct contact with eyes may cause temporary irritation.

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

**Information on toxicological effects**

**Acute toxicity**: Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Based Silicone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>14836.7949 mg/kg estimated</td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>6117.9087 mg/m³, 4 hours estimated</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6040.5669 mg/l, 2 Hours estimated</td>
</tr>
<tr>
<td>LCL0</td>
<td>Rat</td>
<td>1112.7361 mg/l, 1 Hours estimated</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>24527.4473 mg/kg estimated</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**: Prolonged skin contact may cause temporary irritation. Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/eye irritation**: Direct contact with eyes may cause temporary irritation.

**Respiratory sensitization**: Not available.

**Skin sensitization**: This product is not expected to cause skin sensitization.
Germ cell mutagenicity  
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity  
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**  
White mineral oil (petroleum) (CAS 8042-47-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity  
This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure  
Not classified.

Specific target organ toxicity - repeated exposure  
Not classified.

Aspiration hazard  
Based on available data, the classification criteria are not met.

Chronic effects  
Prolonged inhalation may be harmful.

### 12. Ecological information

**Ecotoxicity**  
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Based Silicone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish 515.3261 mg/l, 96 hours estimated</td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia 1068.0908 ppm, 48 hours estimated</td>
</tr>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonia (CAS 7664-41-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Chinook salmon (Oncorhynchus tshawytscha) 0.43 - 0.47 mg/l, 96 hours</td>
</tr>
<tr>
<td>Polymethylsiloxane (CAS 63148-62-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Channel catfish (Ictalurus punctatus) 2.36 - 4.15 mg/l, 96 hours</td>
</tr>
<tr>
<td>Sodium nitrite (CAS 7632-00-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Greasyback shrimp (Metapenaeus ensis) 16.14 - 26.61 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Rainbow trout, donaldson trout</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Oncorhynchus mykiss) 0.19 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability**  
No data is available on the degradability of this product.

**Bioaccumulative potential**  
No data available.

**Partition coefficient n-octanol / water (log Kow)**  
Sodium nitrite -3.7

**Mobility in soil**  
No data available.

**Other adverse effects**  
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal of waste from residues / unused products**  
The dispensed liquid product is not a RCRA hazardous waste (See 40 CFR Part 261.20 - 261.33). Empty container can be recycled. Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

**Hazardous waste code**  
Not regulated.

**Contaminated packaging**  
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

**DOT**  
**UN number**  UN1950  
**UN proper shipping name**  Aerosols, non-flammable, Limited Quantity
Transport hazard class(es)
  Class  2.2
  Subsidiary risk -
  Label(s)  2.2
Packing group Not applicable.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

IATA
UN number UN1950
UN proper shipping name Aerosols, non-flammable, Limited Quantity
Transport hazard class(es)
  Class  2.2
  Subsidiary risk -
Packing group Not applicable.
Environmental hazards No.
ERG Code 2L
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information
  Passenger and cargo aircraft Allowed.
  Cargo aircraft only Allowed.

IMDG
UN number UN1950
UN proper shipping name AEROSOLS, LIMITED QUANTITY
Transport hazard class(es)
  Class  2
  Subsidiary risk -
Packing group Not applicable.
Environmental hazards No.
Marine pollutant Not available.
EmS Not available.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

15. Regulatory information
US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
  Sodium nitrite (CAS 7632-00-0) 1.0 % One-Time Export Notification only.

SARA 304 Emergency release notification
  Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
  Not listed.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance
  Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
  Not listed.

CERCLA Hazardous Substances: Reportable quantity
  Not listed.
  Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
  Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
  Not regulated.

Safe Drinking Water Act (SDWA)
Food and Drug Administration (FDA)
  Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312
Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - Yes
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

US state regulations
US. New Jersey RTK - Substances: Listed substance
Ammonia (CAS 7664-41-7)
Sodium nitrite (CAS 7632-00-0)

US. Massachusetts RTK - Substance List
White mineral oil (petroleum) (CAS 8042-47-5)

US. Pennsylvania RTK - Hazardous Substances
Ammonia (CAS 7664-41-7)
Sodium nitrite (CAS 7632-00-0)
White mineral oil (petroleum) (CAS 8042-47-5)

US. Rhode Island RTK
Ammonia (CAS 7664-41-7)
Sodium nitrite (CAS 7632-00-0)

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Volatile organic compounds (VOC) regulations
EPA
VOC content (40 CFR 51.100(s))
23.6 %
Consumer products (40 CFR 59, Subpt. C)
Not regulated

State
Consumer products
This product is regulated as a Silicone Based Multi-Purpose Lubricant. This product is compliant for use in all 50 states.
VOC content (CA)
10.1 %
VOC content (OTC)
10.1 %

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
Korea
Existing Chemicals List (ECL)
Yes
New Zealand
New Zealand Inventory
Yes
Philippines
Philippine Inventory of Chemicals and Chemical Substances (PICCS)
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).

16. Other information, including date of preparation or last revision

Issue date
01-30-2014
Prepared by
Allison Cho
Version #
01
Further information
CRC # 696A

Material name: Water Based Silicone
1732 Version #: 01 Issue date: 01-30-2014
7 / 8
HMIS® ratings

Health: 1
Flammability: 1
Physical hazard: 0
Personal protection: B

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Disclaimer

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 Industries’ 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 Industries.