1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name
Series K&B Silicone – Neutral Cure (Oxime) – Clear, White & Colors

Other Means of Identification
SDS #
RD-0084

Product Code
0836, 0883, 0885, 0887 Series

Recommended Use of the Chemical and Restrictions on Use
Recommended Use
Silicone Sealant.

Details of the Supplier of the Safety Data Sheet
Supplier Address
Red Devil, Inc.
4175 Webb Street
Pryor, Oklahoma 74361
www.reddevil.com

Emergency Telephone Number
Company Phone Number
918-825-5744
Fax: 918-825-5761

Emergency Telephone
INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification
Skin sensitization
Category 1B

Signal Word
Warning

Hazard Statements
May cause an allergic skin reaction

Appearance
Clear or colored paste

Physical State
Paste

Odor
Low
Precautionary Statements - Prevention
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves

Precautionary Statements - Response
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)
Not Applicable

Other Information
Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-hazardous ingredients *</td>
<td>Proprietary</td>
<td>&gt;10</td>
</tr>
<tr>
<td>Amorphous silica (glass)</td>
<td>7631-86-9</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Methyl tri(ethylmethylketoxime) silane</td>
<td>22984-54-9</td>
<td>3-7</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>

*Unlisted ingredients are not considered hazardous under the OSHA GHS Hazard Communication Standard (29 CFR 1910.1200).
(Silica, amorphous; Titanium Dioxide) Inhalation of particulates unlikely due to product’s physical state. [Methyl tri(ethylmethylketoxime) silane] Ethyl methyl ketoxime formed upon contact w/ water or humid air

4. FIRST AID MEASURES

First Aid Measures

General advice
Provide this SDS to medical personnel for treatment.

Inhalation
If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.

Eye Contact
Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes while holding the eyelide(s) open. Obtain medical attention.

Ingestion
Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Drink 1-2 glasses of water. If vomiting occurs spontaneously, keep airway clear. Get medical attention immediately.

Skin Contact
Remove from skin & immediately flush w/ water for 15 minutes. Obtain medical attention if irritation or ill effects develop or persist.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
Causes skin irritation. May cause nose, throat & respiratory tract irritation. Direct contact with eyes may cause temporary irritation. Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- **Small Fire**
  Use carbon dioxide (CO2), dry chemical or water spray.

- **Large Fire**
  Use dry chemical, foam or water spray.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
Not determined.

Hazardous combustion products
Carbon oxides & traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

Protective Equipment and Precautions for Firefighters
Self-contained breathing apparatus & protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Observe all personal protection equipment recommendations described in Sections 5 & 8.

Environmental Precautions
See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment
Prevent further leakage or spillage if safe to do so. Use absorbent material to contain spill.

Methods for Cleaning Up
Wipe up or scrape up & contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state & federal laws & regulations may apply to releases & disposal of this material as well as those materials & items employed in the cleanup of releases. You will need to determine which federal, state & local laws & regulations are applicable. Sections 13 & 15 of this MSDS provide information regarding certain federal & state requirements.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling
Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors or mists. Use only in well-ventilated areas. Avoid contact with skin and eyes. Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Wash contaminated clothing before reuse.
Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Keep container closed & store away from water or moisture.

Incompatible Materials
Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form as described in Section 8.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
Exposure guidelines / protective equipment are for routine handling and accidental spills

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (glass) 7631-86-9</td>
<td>(vacated) TWA: 6 mg/m³ &lt;1% Crystalline silica TWA: 20 mppcf</td>
<td>TWA: 10 ppm</td>
<td>IDLH: 3000 mg/m³ TWA: 6 mg/m³</td>
</tr>
<tr>
<td>Methyl tri(ethymethylketoxime) silane 22984-54-9</td>
<td>-</td>
<td>TWA: 10 ppm</td>
<td>-</td>
</tr>
<tr>
<td>Titanium Dioxide 13463-67-7</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust</td>
<td>IDLH: 5000 mg/m³</td>
</tr>
</tbody>
</table>

Other Information
MEKO is formed upon contact w/ water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm & ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

Appropriate Engineering Controls
Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Good general ventilation should be sufficient.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection
Safety glasses as a minimum for protection. Full face respirator for spills.

Skin and Body Protection
Wear suitable protective clothing.

Respiratory Protection
No special equipment needed.

General Hygiene Considerations
Note: These precautions are for room temperature handling. Use @ elevated temperature or aerosol/spray applications may require added precautions. Handle in accordance with good industrial hygiene and safety practice. Wash @ mealtime & end of shift. Contaminated clothing & shoes should be removed as soon as practical & thoroughly cleaned before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Paste</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear or colored paste</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Various</td>
<td>Odor Low</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
Flash point: Not applicable
Evaporation rate: Not determined
Flammability (solid, gas): Not determined
Flammability limits in air:
  - Upper flammability limit: Not determined
  - Lower flammability limit: Not determined
Vapor pressure: Not determined
Vapor density: Not determined
Specific gravity: ~ 1.0-1.25 @ 25 °C (77 °F)
Water solubility: Not determined
Solubility in other solvents: Not determined
Partition coefficient: Not determined
Autoignition temperature: Not determined
Decomposition temperature: Not determined
Kinematic viscosity: Not determined
Dynamic viscosity: Not determined
Explosive properties: Not determined
Oxidizing Properties: Not determined

Other Information
Additional information: Note: The above information is not intended for use in preparing product specifications
VOC Content (%): < 3%/wt (< 40 g/L)

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to Avoid
Incompatible Materials.

Incompatible Materials
Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form as described in Section 8.

Hazardous Decomposition Products
Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products:
Carbon oxides & traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde, Nitrogen oxides & metal oxides.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation
May cause irritation of respiratory tract.

Eye Contact
May cause temporary irritation on eye contact.
**Skin Contact**
Can be absorbed through the skin. May cause allergic skin reaction.

**Ingestion**
Can be harmful if swallowed.

**Component Information**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (glass)</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 2.2 mg/L (Rat) 1 h</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms**
Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Sensitization**
May cause allergic skin reaction.

**Carcinogenicity**
The table below indicates whether each agency has listed any ingredient as a carcinogen. Methyl Ethyl Ketoxime (MEKO) formed upon contact w/ water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Additional testing planned by MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable. Titanium dioxide is a possible carcinogen when it appears as a respirable dust.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (glass)</td>
<td>7631-86-9</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td></td>
<td>Group 2B</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

**Numerical Measures of Toxicity - Product**
Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (glass)</td>
<td>440: 72 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>5000: 96 h Brachydanio rerio mg/L LC50 static</td>
<td>7600: 48 h Ceriodaphnia dubia mg/L EC50</td>
<td></td>
</tr>
</tbody>
</table>

**Persistence and Degradability**
Complete information is not yet available.

**Bioaccumulation**
Complete information is not yet available.
Mobility
Complete information is not yet available.

Other Adverse Effects Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories
Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes or No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>
### US State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide - 13463-67-7</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

#### U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica (glass)</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>7631-86-9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide 13463-67-7</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

#### U.S. EPA Label Information

#### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td></td>
<td>B- Safety Glasses, Gloves</td>
</tr>
</tbody>
</table>

**Issue Date** 13-Dec-2012  
**Revision Date** 01-Oct-2017  
**Revision Note** New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet