

GC Electronics
1801 Morgan Street
Rockford, IL 61102
Phone: (815) 968-9661
Fax: (815) 968-9731
www.gcelectronics.com

Product Name: Silicone Sealant/Adhesive
MSDS Number: 201
Revision Date: 2/17/10
Supersedes Date: 2/7/07

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Solvent Release Adhesive RTV
Product Name: **Silicone Sealant/Adhesive**
Part Number(s): **19-155**

Emergency Contact: Chemtrec
Phone (24 hours): (800) 424-9300

Section 1 - Identification of Product

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|-----------------------|---|-----------------------|---|
| NFPA | | Least | 0 |
| Health | 1 | Slight | 1 |
| Flammability | 1 | Moderate | 2 |
| Reactivity | 0 | High | 3 |
| Personal Protection B | | Extreme | 4 |
| | | Gloves,safety glasses | B |

Note: NFPA is National Fire Protection Association

Chemical Identification: Organopolysiloxane mixture
Military Specifications: MIL-46106 Type 1

Section 2 - Hazardous Ingredients

Single or Mixture: Mixture
Hazard component(s) CAS No.) No hazardous materials present
Chemical Identification: Organopolysiloxane mixture

Methylethylketoxime is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within the following guidelines: Vendor guide TWA: 3ppm, STEL:10ppm AIHA WEEL TWA: 10ppm. Ethylalcohol is formed upon contact with water or humid air.

Section 3 - Physical Data

Boiling Point: Not applicable
Vapor Pressure: Negligible (25°C)
Vapor Density (air=1): >1
Specific Gravity: 1.05 (25°C)
Melting Point: Not applicable
Evaporation Rate: <1 (Butyl Acetate=1)
Solubility in Water: Not soluble

Appearance (color): Milk-white, translucent

Appearance (form); Paste
Odor: Oxime odor

Section 4 - Fire & Explosion Hazard Data

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| Flash Point (method used): | Not applicable. (Solid) |
| Flammable Limits: | [Methylethylketoxime: Decomposed product] Lower: Not determined Upper: not determined |
| Extinguishing Media: | Foam, dry chemical or carbon dioxide or fine water spray. |
| Special Fire Fighting Procedure: | None |
| Unusual Fire and Explosion Hazard: | None |
| Fire & Explosion Hazard: | Not considered flammable nor combustible, but will burn if involved in a fire. |

Section 5 - Health Hazard Data

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| Hazards Classification: | None (based on IMO) |
| Fire and Explosion: | Not considered flammable or combustible, but will burn if involved in a fire. |
| Potential Health Effect: | |
| Inhalation: | Vapor overexposure may cause drowsiness, injure blood and liver, and may irritate eyes, nose and throat. |
| Skin Contact: | On direct contact uncured product or its vapor may cause slight irritation to skin. |
| Eye Contact: | On direct contact uncured product or its vapor may cause slight irritation to eyes. |
| Ingestion: | No information is available |
| First Aid Measures: | |
| Inhalation: | Remove to fresh air |
| Skin Contact: | Immediately remove product from skin with dry cloth or towel, and wash exposed area with detergent |
| Eye Contact: | Immediately flush with plenty of water for at least 15 minutes and promptly call a physician |
| Ingestion: | Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately. |

Section 6 - Reactivity Data

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| Stability: | Stable |
| Condition to Avoid: | Exposure to air or moisture until ready to use – causes curing and methylethylketoxime vapor to form gradually. |
| Incompatibility (Material to Avoid): | Water or moisture. |
| Hazardous Decomposition or By-Product: | Water, moisture or humid air can cause methylethylketoxime (Flammable Liquid) thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Nitrogen oxides. Formaldehyde |
| Hazardous Polymerization: | Will not occur. |
| Conditions to Avoid: | None |

Section 7 - Spill or Leak Procedures

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| Steps to be taken in case material is released or spilled: | Shut off all ignition sources. Contain the spill or leak. Observe all personal protection equipment recommendations. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since some silicone materials, even small quantities, may present a slip hazard. Final cleaning may require use of stream, solvents or detergents. Local, federal and state laws and regulations may apply to releases and disposal of this material, as well as those materials, and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. |
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Section 8 - Special Protection Information

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| Exposure Guidelines: | Vendor Guide: 3 ppm (TWA), 10 ppm (STEL) AIHA WEEL-TWA*: 10ppm [Methylethylketoxime; decomposed product] *(AIHA WEEL: America Industrial Hygiene Association Workplace Environmental Exposure Level) |
| Respiratory Protection (Specific Type): | Use air-supplied breathing apparatus unless local exhaust ventilation is adequate or decomposed product is within AIHA guideline. |

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VENTILATION:

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| Local Exhaust: | Required |
| Mechanical (general): | Adequate ventilation system |
| Special: | Unknown |
| Other: | Pay attention to ventilation such as local exhaust, mechanical and/or leave door open for at least 24 hours after application. |
| Protective Gloves: | Plastic film or rubber gloves. |
| Other Protective Clothing or Equipment: | Eyewash equipment. |
| Work/Hygienic Practices: | Wash hands after handling. Keep away from heat and flame. Avoid contact with eyes and prolonged or repeated skin contact. Avoid contact with acidic, basic or oxidizing materials. Avoid prolonged breathing vapor. |

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| Section 9 – Special Precautions |
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Precautions to be taken in Handling and Storage:

Keep container closed when not in use. Store in a cool place. Keep away from heat, sparks, and flame. Do not lay the container on its side. Use only with adequate ventilation. Avoid contact with eyes and skin. Keep out of reach of children. Contact lens wearers take appropriate precautions. Use with adequate ventilation. Product evolves methylethylketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methylethylketoxime (MEKO) within exposure guidelines or use respiratory protection. Product evolves methyl alcohol when exposed to water or humid air. Provide ventilation during use to control exposure within guidelines or use air-supplied or self-contained breathing apparatus.

Information about the emptied container Do not reuse this container. Keep away from heat, sparks and flames. Do not puncture or cut this container and do not weld on or near this container.

Can be land-filled for cured product or burned in a chemical incinerator equipped with afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state and local laws.

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Section 10 - Regulatory Information

Hazard Class: Not Regulated

Toxic Substances Control Act (TSCA) Status: Listed on the TSCA inventory

European Inventory of Existing Commercial Substances (EINECS) Status: Listed on the EINECS

Labeling According to EC-Regulations Required:

Symbol: Not required
R-Phrase: Not required
S-Phrase: Not required
Contains: None

Superfund Amendments and reauthorization to of 1986 (SARA) Title III Section 313 Supplier Notification:
This regulation required submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's.

The toxic chemical(s) contained in this product are: Chemical Name (CAS No.) and Contents: None
California Proposition 65:

This regulation requires a warning for California Proposition 65 Chemical(s) under the statute.

The California Proposition 65 Chemical(s) contained in this product are:
Chemical Name/(CAS No.) and Contents: None

UN No.: None
IMO Classification and Class: None
Packaging Group: None
Proper Shipping Name: None
Technical Shipping Name: None
Marine Pollutant: None
DOT Reportable Quantity (RQ):

Hazard Substance(s) Name:/(CAS No)
Contents and RQ: Not Applicable

Section 11 - Other Information

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| Carcinogen: | NTP: Not listed IARC: Not listed OSHA Regulated: Not Listed |
| Other Information: Additional Information: | Methyl Ethyl Ketoxime (MEKO)---Decomposition product material will generate MEKO on exposure to humid air, gradually. Male rodents exposed to MEKO vapor at high concentrations throughout their lifetime developed liver cancer. But relevance to humans is uncertain now. This MEKO shows some adverse health effects in animal studies as follows: |
| Skin: Irritation: | Causes mild irritation. Can be absorbed through the skin. |
| Eye Irritation: | Causes severe irritation. |
| Acute Oral Tox: | LD50 (rat) = 4 ml/kg. |
| Acute Inhalation Tox: | LC50 (rat) = >4.8 mg/l |
| Inhalation Tox: | Shows narcotic action at high concentration. May produce blood effects. |
| Skin Sensitization: | Positive (guinea pig) |
| Neurotoxicity: | High doses can produce transient and reversible change in neurobehavioral function. No evidence of cumulative neurotoxicity was detected.. |
| Carcinogenicity: | Liver carcinomas were observed in a lifetime inhalation study (ca2 years) in which mice and rats were exposed. These carcinogens were statistically increased in males at MEKO concentrations of 735 ppm. Relevance to humans is uncertain now. |
| Mutagenicity: | Not considered mutagenic based on several in vitro and vivo studies. |
| Other Chronic Study: | Degenerative effects on the olfactory epithelium of nasal passages occurred in a concentration related manner in males and females of mice and rats at MEKO concentration of 15.75 and 375 ppm. |
| Workplace Environmental Exposure: | Exposure level AIHA WEEL: 10 ppm (TWA) |

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| Disclaimer |
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