

**MATERIAL SAFETY DATA SHEET****E-Z PRODUCTS (Div. of R. A. Brooks, Inc.)**

32449 N. 66 ST.

CAVE CREEK, AZ. 85331

**Print Rev. Date** 12/1/2010

Information telephone number: 888-439-7282

**Health 1****Fire 1****Reactivity 0****SECTION 1 - PRODUCT IDENTIFICATION****Product Class:** Silicone**Product Name:** E-Z PATCH® #23 E-Z JOINT SEAL®**Other Names:** E-Z Products Neutral Cure Silicone Rubber Expansion Joint Sealant, E-Z Joint Seal®**SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS**

<b>INGREDIENT</b>	<b>CAS #</b>	<b>Weight Percent</b>	<b>ACGIH TLV</b>	<b>PEL</b>	<b>STEL</b>
Calcium carbonate	1317-65-3	25% - 50%	10 mg/m3	5 mg/m3	
Amorphous fumed silica	112945-52-5	2% - 15%	10 mg/m3	6 mg/m3	
Methyl Oximino Silane	22984-54-9	2% - 10%			
Vinyl Oximino Silane	2224-33-1	2% - 10%			
Gamma-aminopropyltriethoxysilane	919-30-2	2% - Max			

**SECTION 3 – HAZARD IDENTIFICATION****Primary Routes of Entry**

Inhalation, skin contact

**Eye Contact**

Direct eye contact irritates slightly with redness and swelling.

**Skin Contact**

A single short term exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately. Product contains oximes which are possible skin sensitizers.

**Inhalation**

Inhalation of vapor may irritate respiratory tract and nasal passage. Vapors from exposure to moisture may produce reversible narcotic effects. Overexposure may cause drowsiness and irritation to the eyes, nose and throat.

**Ingestion**

Small amounts transferred to the mouth by fingers during use, etc. should not injure. Swallowing large amounts may injure slightly.

**Comment**

Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as possible. Methanol may be formed by reaction with moisture in the air. Provide adequate ventilation to control exposure within the guidelines of OSHA TWA 200ppm.

**SECTION 4 – FIRST AID INFORMATION****Eye Contact**

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation develops.

**Skin Contact**

Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.

**Inhalation**

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

**Ingestion**

DO NOT INDUCE VOMITING. Seek immediate medical attention.

**Comments**

Treat according to person's condition and specifics of exposure.

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**SECTION 5 – FIRE FIGHTING MEASURES****Flash Point**

119F

**Flammability Limits in Air**

Not determined

**Auto-ignition Temperature**

Not determined

**Extinguishing Media**

On large fires use dry chemical, foam, or water spray. On small fires use carbon dioxide, dry chemical or water spray. Water can be used to cool fire-exposed containers.

**Special Fire Fighting Procedures**

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

**Unusual Fire or Exposure Hazards**None known

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES****Steps to be taken in case of spill or release**

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 & 8. For large spills, provide diking or other appropriate containment to keep material in appropriate container. For small spills, wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled material, even in small quantities may present a slip hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Local, state and federal 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. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

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**SECTION 7 – HANDLING AND STORAGE****Handling**

Avoid breathing vapors in top of shipping container. Keep container closed. Use with adequate ventilation. Avoid contact with skin and clothing. Wash thoroughly after handling.

**Storage**

Keep container closed and store in a cool, well ventilated area, away from water or moisture.

**Other precautions**

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control MEKO within the exposure guidelines or use respiratory protection.

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**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION****Eye Protection**

Use proper protection – safety glasses as a minimum.

**Skin Protection**

Wash at mealtimes and at the end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush areas with cool water. Chemical protective gloves are recommended.

**Respiratory Protection**

Use respiratory protection unless adequate exhaust ventilation is provided or exposure assessment demonstrates that exposures are within exposure guidelines. Industrial assessment demonstrates that exposures are within exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.

**Precautionary Measures**

Avoid eye contact. Avoid skin contact. Avoid breathing vapor.

**Comment**

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime within the exposure guidelines or use respiratory protection.

**Note**

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Specific Gravity</b>	1.2
<b>Color/Appearance</b>	Various
<b>Odor</b>	Slight
<b>PH</b>	Not applicable
<b>Boiling/Cond. Point</b>	Not determined
<b>Melting/Freezing Point</b>	Not determined
<b>Solubility</b>	Water dilutable in wet stage
<b>Evaporation Rate</b>	Not determined
<b>VOC %</b>	39 g/L
<b>Vapor Density</b>	Not determined
<b>Vapor Pressure</b>	Not determined

**Note:**

The above information is not intended for use in preparing product specifications. Contact R.A. Brooks, Inc. before writing specifications.

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## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability**

Stable

**Hazardous Polymerization**

Will not occur

**Materials to avoid / Incompatibility**

Oxidizing material can cause a reaction.

**Conditions to Avoid**

None known

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## SECTION 11 – TOXICOLOGICAL INFORMATION

**Special Hazard Information on Component**

Methyl Oximino Silane (22984-54-9) Possible skin sensitizer.

Vinyl Oximino Silane (2224-33-1) Possible skin sensitizer.

**Carcinogenicity**

This product is not known to be a carcinogen.

**Teratogenicity**

This product is not known to be a teratogen.

**Mutagenicity**

This product is not known to be a mutagen.

**Reproductive Toxin**

This product is not known to be a reproductive toxin.

**Sensitizer**

Product releases MEKO, which is a potential skin sensitizer.

**Comment**

Methyl ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver tumors. Since many commonly used chemicals cause liver tumors in rats and mice, additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

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**SECTION 12 – ECOLOGICAL INFORMATION****Environmental Fate and Distribution**

Complete information is not yet available.

**Environmental Effects**

Complete information is not yet available.

**Fate and Effects in Waste Water Treatment Plants**Complete information is not yet available

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**SECTION 13 – DISPOSAL CONSIDERATIONS****Waste Disposal Method**

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with federal, local and state laws.

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**SECTION 14 – TRANSPORTATION INFORMATION****DOT Road Shipment Information**

Not subject to DOT

**Air Shipment (IATA)**

Not subject to IATA regulations

**Ocean Shipment (IMDG)**Not subject to IMDG code

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**SECTION 15 – REGULATORY INFORMATION**

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Status**

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

**SARA Title 111 Section 302 Extremely Hazardous Substances**

None

**SARA Title 111 Section 304 CERCLA Hazardous Substances**

None

**SARA Title 111 Section 312 Hazard Class****Acute:** Yes**Chronic:** Yes**Fire:** No**Pressure:** No**Reactive:** no**SARA Title 111 Section 313 Toxic Chemicals**

None present or none present in regulated quantities.

**California Proposition 65**

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known.

**Massachusetts**

Silica, amorphous fumed (112945-52-5)

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**New Jersey**

Silica, amorphous (112945-52-5)  
Dimethyl siloxane, hydroxy-terminated (70131-67-8)  
Methyl oximino silane (22984-54-9)  
Vinyl oximino silane (2224-33-1)  
Limestone (1317-65-3)  
Distillates (petroleum), hydrotreated middle (64742-46-7)

**Pennsylvania**

Silica, amorphous (112945-52-5)  
Dimethyl siloxane, hydroxy-terminated (70131-67-8)  
Methyl oximino silane (22984-54-9)  
Vinyl oximino silane (2224-33-1)  
Limestone (1317-65-3)  
Distillates (petroleum), hydrotreated middle (64742-46-7)

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**SECTION 16 – OTHER INFORMATION****Disclaimer**

The data contained herein is based upon information that E-Z Products (Div. of R. A. Brooks, Inc.) believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements to suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

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