

# MSDS Document

## Product Kason 3700 General Purpose Industrial Silicone Sealant

### 1. Chemical Product and Company Identification

#### Trade Name of this Product Kason General Purpose Industrial Silicone Sealant

**Synonyms:** Industrial Sealants, 010131CL48, 01013WH48, 01013BK48, 01013AL48, 01013BZ48, 01013AM48, 02246CL36, 02246WH36, 02246BK36, 01849CL01, 31000, 31001, 31002, 31004, 31005, 31030, 31031, 31032, 31050, 31051, 31052, 31053, 31054, 31055, 01849AM01, 01849AL01, 01849BZ01, 01849WH01

#### Manufacturer

##### Kason Central

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##### Emergency Phone

CHEMTREC (800) 424-9300

**Revision Date** 7/22/2005

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Methyltriacetoxysilane	4253-34-3	1% - 5%	TWA 10ppm	TWA 10ppm	15ppm.
Ethyltriacetoxysilane	17689-77-9	1% - 5%	TWA 10ppm	TWA 10ppm	15ppm

### 3. Hazard Identification

#### Eye Contact

Direct contact may cause moderate irritation.

#### Skin Contact

May cause moderate irritation.

#### Inhalation

Material is not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor/aerosol concentrations are attained, central nervous system depression may occur, which is characterized by dizziness, confusion or loss of coordination.

#### Ingestion

Low ingestion hazard in normal use.

**Symptoms of Overexposure**

No known applicable information.

**Existing Conditions Aggravated by Exposure**

No known applicable information.

**4. First Aid Information****Eye Contact**

Immediately flush with water for 15 minutes. Seek medical attention.

**Skin Contact**

Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.

**Ingestion**

No first aid should be needed.

**Inhalation**

Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor/mist/dust/fumes are generated, care should be taken to prevent inhalation. In case of exposure to vapor/mist/dust/fumes, move to fresh air.

**Comments**

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

**5. Fire Fighting Measures**

<b>Flash Point</b>	>212F >100C
<b>FP Method</b>	Closed Cup

**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.

**Flammability Limits in Air**

Not determined

**Special Fire Fighting Procedures**

Self-contained breathing apparatus and protective clothing should be worn when 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.

#### **Unusual Fire or Explosion Hazards**

None

#### **Hazardous Decomposition Products**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:

Carbon oxides and traces of incompletely burned carbon compounds

Formaldehyde

Silicon dioxide

Depending on color, hazardous decomposition products may also include:

Hydrogen

Nitrogen oxides

Metal oxides

Sulfur oxides

### **6. Accidental Release Measures**

#### **Steps to be taken in case of spill or release**

Observe all personal protection equipment recommendations. Flood with water to polymerize. Soak up with inert absorbent. Dispose of saturated absorbent or cleaning materials appropriately. Local, state and federal regulation may apply to releases and disposal of this material, as well as those materials and items employed in cleanup of releases.

#### **Note**

See Section 8 for information about personal protective equipment for spills. Contact Kason if additional information is required.

### **7. Handling and Storage**

#### **Handling**

Use adequate ventilation. Product evolves acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Keep container closed. Do not take internally. Avoid breathing vapor.

#### **Storage**

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

## 8. Exposure Controls and Personal Protection

### Component Exposure Limits

Component Name: Ethyltriacetoxsilane

CAS Number: 17689-77-9

Exposure Limits: See acetic acid comments

Component Name: Methyltriacetoxysilane

CAS Number: 4253-34-3

Exposure Limits: See acetic acid comments

Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposure within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm

### Component Exposure Limits – Almond only

Component Name: Dimethylsiloxane, trimethoxysilyl-terminated

CAS Number: PMN871176

Exposure Limits: See methyl alcohol comments.

Exposure Limits: OSHA PEL (final rule): TWA 15mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable dust.

ACGIH TLV: TWA 10 mg/m<sup>3</sup>

Component Name: Aluminum

CAS Number: 7429-90-5

Exposure Limits: OSHA PEL (final rule): TWA 15mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable dust.

ACGIH TLV: TWA 10 mg/m<sup>3</sup>

Methyl alcohol forms on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250ppm.

### Component Exposure Limits – Aluminum only

Component Name: Aluminum

CAS Number: 7429-90-5

Exposure Limits: OSHA PEL (final rule): TWA 15mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable dust.

ACGIH TLV: TWA 10 mg/m<sup>3</sup>

### Engineering Controls

Use proper protection – safety glasses as a minimum.

### Skin Protection

Wash at mealtimes and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves:

Nitrile Rubber. Butyl Rubber.

### **Inhalation**

Use respiratory protection unless local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

### **Suitable Respirator**

Respiratory protection is not needed under ambient conditions. If vapor/mist/dust/fumes are generated when material is heated or handled, the following is advised. General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) use NIOSH/MSHA approved respirators.

### **Personal Protection Equipment for Spills**

Eyes: Use full face respirator

Skin: Wash at mealtimes and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Inhalation/Suitable Respirator: Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

### **Precautionary Measures**

Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.

### **Comment**

Product evolves acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid within exposure guidelines or use respiratory protection. When heated to temperatures above 150C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer

hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

**Note**

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

**9. Physical and Chemical Properties**

<b>Physical State</b>	Paste
<b>Specific Gravity</b>	1.032
<b>Odor</b>	Acetic Acid Odor
<b>Boiling/Cond. Point</b>	Not Determined
<b>Melting/Freezer Point</b>	Not Determined
<b>Solubility</b>	Not Determined
<b>Evaporation Rate</b>	Not Determined
<b>Viscosity</b>	Not Determined
<b>Vapor Density</b>	Not Determined
<b>Vapor Pressure</b>	Not Determined
<b>VOC</b>	29 g/l

**Note**

The above information is not intended for use in preparing product specifications. Contact Kason before writing specifications.

**10. Stability and Reactivity**

**Chemical Stability**

Stable

**Hazardous Polymerization**

Will not occur

**Conditions to Avoid**

None

**Materials to Avoid/Incompatibility**

Oxidizing material can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form.

**11. Toxicological Information**

**Special Hazard Information on Components**

No known applicable information.

**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.

**13. Disposal Considerations****RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, is it classified as a hazardous waste? NO

State or local laws may impose additional regulatory requirements regarding disposal.

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.

**14. Transportation Information****DOT Road Shipment Information**

Not subject to DOT

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

**Air Shipment (IATA)**

Not subject to IATA regulations.

**15. Regulatory Information**

The content of this MSDS comply with 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 III Section 302 Extremely hazardous Substances**

None

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

None

**SARA Title II Section 312 Hazard Class**

Acute: Yes

Chronic: Yes (Aluminum and Almond only, all other colors have no known chronic effects)

Fire: No

Pressure: No

Reactive: No

**SARA Title III Section 313 Toxic Chemicals**

Depending on color, may contain:

Alumin hydrate (21645-51-2)

Aluminum (7429-90-5)

Antimony chromium manganese titanium brown rutile (6991-68-0)

**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 (7631-86-9)

Depending on color, may also contain:

Alumina Hydrate (21645-51-2)

Aluminum (7429-90-5)

Barium Sulfate (7727-43-7)

Carbon Black (1333-86-4)

Iron Oxide (1309-37-1)

Titanium Dioxide (13463-67-7)

**New Jersey**

Dimethyl Siloxane, hydroxyl-terminated (70131-67-8)

Ethyltriacetoxysilane (17689-77-9)

Hydrotreated middle petroleum distillates (7631-86-9)

Methyltriacetoxysilane (4253-34-3)

Silica, amorphous (7631-86-9)

Depending on color, may also contain:

Alumina Hydrate (21645-51-2)

Aluminum (7429-90-5)

Antimony chromium manganese titanium brown rutile (6991-68-0)

Barium Sulfate (7727-43-7)

Black iron oxide (1317-61-9)  
Carbon Black (1333-86-4)  
Dimethyl Siloxane, trimethylsilyl-terminated (PMN871176)  
Iron Hydroxide oxide (20344-49-4)  
Iron Oxide (1309-37-1)  
Magnesium Ferrite (12068-86-9)  
Mineral Oil (8042-47-5)  
Polydimethylsiloxane (63148-62-9)  
Tetrabenzo-5, 10, 15, 20-diazaporphyrinephthalocyanine (Pigment blue 15)  
(57455-37-5)  
Titanium Dioxide (13463-67-7)

### **Pennsylvania**

Dimethyl Siloxane, hydroxyl-terminated (70131-67-8)  
Hydrotreated middle petroleum distillates (7631-86-9)  
Silica, amorphous (7631-86-9)

Depending on color, may also contain:

Alumina Hydrate (21645-51-2)  
Aluminum (7429-90-5)  
Antimony chromium manganese titanium brown rutile (6991-68-0)  
Barium Sulfate (7727-43-7)  
Black iron oxide (1317-61-9)  
Carbon Black (1333-86-4)  
C.I. Pigment Blue 29 (57455-37-5)  
Dimethyl Siloxane, trimethylsilyl-terminated (PMN871176)  
Iron Hydroxide oxide (20344-49-7)  
Iron Oxide (1309-37-1)  
Iron Oxide (1332-37-2)  
Magnesium Ferrite (12068-86-9)  
Mineral Oil (8042-47-5)  
Polydimethylsiloxane (63148-62-9)  
Tetrabenzo-5, 10, 15, 20-diazaporphyrinephthalocyanine (Pigment blue 15)  
(57455-37-5)  
Titanium Dioxide (13463-67-7)  
Yellow iron oxide (51274-00-1)

## **16. Other Information**

### **Disclaimer**

The data contained herein is based upon information that Kason 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 person involved in said use. All statements or 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.