

Section 1 - Product and Company Identification

Material Name	- Clear 100% Silicone Sealant
Chemical Category	- Mixture
Product Code	- AP-5800-0-61
Product Description	- Clear Flexible Sealant
Product Use	- Construction Adhesive/Sealant
Manufacturer	- APOC - 4161 E. 7th Avenue Tampa, FL 33605 United States
Telephone	
General/Technical	- 813-248-2101 – Customer Service: 8AM – 5 PM M-F Eastern Standard Time
<u>Emergency</u>	- 800-424-9300 - CHEMTREC

Section 2 - Hazards Identification

GHS HAZARDS AND PRECAUTIONS

SIGNAL WORD: WARNING!

GHS classification in accordance with 29 CFR 1910.1200

- **Skin sensitization** – (Category 1)
- **Specific target organ toxicity - repeated exposure** – (Category 2 – Oral)

Prevention	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
Response	IF ON SKIN: Wash with plenty of soap and water. Get medical advice/ attention if you feel unwell. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
Storage/Disposal	Store in a closed container. Store in a well-ventilated place. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.



Physical Form	- Paste Consistency
Color	- Clear
Odor	- Slight
Flash Point	- N/A – Not Flammable
OSHA(HCS2012)	- Skin sensitization – (Category 1), Specific target organ toxicity - repeated exposure – (Category 2 – Oral)

Potential Health Effects

Inhalation

- | | |
|--------------------------|--|
| Acute (Immediate) | - May cause irritation. |
| Chronic (Delayed) | - Refer to other information found in Section 11-Toxicology. |

- Skin**
- Acute (Immediate)** - May cause an allergic skin reaction.
 - Chronic (Delayed)** - Repeated and prolonged exposure may cause dermatitis.
- Eye**
- Acute (Immediate)** - May cause irritation.(Uncured product)
 - Chronic (Delayed)** - Repeated and prolonged exposure may cause irritation.
- Ingestion**
- Acute (Immediate)** - May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.
 - Chronic (Delayed)** - Repeated and prolonged exposure may be harmful.
- Carcinogenic Effects**
- This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA. See Section 11 - Toxicological Information for more details.

Section 3 - Composition/Information on Ingredients

Composition				
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive	Comments
2-Butanone, O,O',O"- (methylsilylidyne)trioxime	CAS: 22984-54-9	3% TO 4%		NDA
Vinyltri (methylethylketoxime) silane	CAS: 2224-33-1	<1%		NDA
Methyltri(ethylmethylketoxime)silane isomers and oligomers	CAS: Not Available	<0.50%		NDA

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

- General advice**
- First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Inhalation**
- Move person to fresh air; if effects occur, consult a physician.
- Skin**
- Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.
- Eye**
- Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
- Ingestion**
- No emergency medical treatment necessary.
- Most important symptoms and effects, both acute and delayed:**
- Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.
- Notes to physician:**
- No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

Extinguishing Media

Suitable extinguishing media - Water spray. Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable extinguishing media - None known

Special hazards arising from the substance or mixture

Hazardous Combustion Products - Carbon oxides. Silicon oxides. Nitrogen oxides (NO_x).

Unusual Fire and Explosion Hazards - Exposure to combustion products may be a hazard to health.

Advice for firefighters

Fire Fighting Procedures - Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for firefighters - In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures - Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions - Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up - Wipe up or scrape up and contain for salvage or disposal. Local or national 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 regulations are applicable. For large spills, provide diking or other appropriate containment to keep material from spreading. If dike material can be pumped, Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. See sections: 7, 8, 11, 12 and 13.

Section 7 - Handling and Storage

Precautions for safe handling - Do not get on skin or clothing. Do not swallow. Avoid contact with eyes. Protect from moisture. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Conditions for safe storage - Keep in properly labelled containers. Store in accordance with the particular national regulations.

Incompatible Materials or Ignition Sources - Strong oxidizing agents. Unsuitable materials for containers: Do not store in or use iron or steel containers.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment

Respiratory

- Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge.

Eye/Face

- Use safety glasses (with side shields).

Hands

- Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Engineering

Measures/Controls

- Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Exposure Limits/Guidelines				
	Result	DOW IGH	US WEEL	OSHA
Methyl Ethyl Ketoxime	TWA	0.15 ppm	10 ppm	N/A

Key to abbreviations

PEL = Permissible Exposure Level determined by the Occupational Safety and Health Administration (OSHA)

Although some of the components of this product may have exposure guidelines, no exposure would be expected under normal handling conditions due to the physical state of the material. The following substance(s), which have Occupational Exposure Limit(s) (OEL), may be formed during handling or processing: Methyl ethyl ketoxime

Section 9 - Physical and Chemical Properties

Physical Form:	Paste	Appearance/Description:	Paste
Color:	Clear	Odor:	Slight
Odor Threshold:	N/A	Boiling Point:	N/A
Melting point/range:	No Data Available	pH:	N/A
Specific Gravity/Relative Density:	= 1.04	Density:	No Data Available
Bulk Density:	No Data Available	Water Solubility:	No Data Available
Solvent Solubility:	No Data Available	Viscosity:	No Data Available
Vapor Pressure:	N/A	Vapor Density:	N/A
Evaporation Rate:	No Data Available	VOC (g/l):	<30 g/L
VOC (Vol.):	No Data Available	Volatiles (Wt.):	No Data Available
Volatiles (Vol.):	NDA	Flash Point:	Not classified as a flammability hazard
Flash Point Test Type:	Not classified as a flammability hazard	UEL:	N/A
LEL:	N/A	Oxidizing properties	The substance or mixture is not classified as oxidizing.

Section 10 - Stability and Reactivity

- Stability** - Stable under normal conditions. Not a reactivity hazard.
- Possibility of hazardous reactions:** - Can react with strong oxidizing agents
- Conditions to Avoid** - Do not expose to temperatures above 212 °F/100 °C. Exposure to moisture
- Incompatible Materials** - Oxidizing agents
- Hazardous Decomposition Products** - Decomposition products can include and are not limited to: Formaldehyde. Methyl Ethyl Ketoxime.

Section 11 - Toxicological Information

Component Name	Concentration	CAS	Data
2-Butanone, O,O',O''-(methylsilyldiylne)trioxime	0.1-5%	22984-54-9	The LC50 has not been determined
Vinyltri (methylethylketoxime) silane	0.1-5%	2224-33-1	The LC50 has not been determined
Methyltri(ethylmethylketoxime)silane isomers and oligomers	20-40%	Not Available	The LC50 has not been determined

- Acute inhalation toxicity** - Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material may cause respiratory irritation. As product: The LC50 has not been determined.
- Skin corrosion/irritation** - Prolonged exposure not likely to cause significant skin irritation.
- Serious eye damage/eye irritation** - May cause slight temporary eye irritation. Corneal injury is unlikely. May cause mild eye discomfort.
- Sensitization** - For skin sensitization: Contains component(s) which have caused allergic skin sensitization in guinea pigs.
- Specific Target Organ Systemic Toxicity (Single Exposure)** - Evaluation of available data suggests that this material is not an STOT-SE toxicant.
- Specific Target Organ Systemic Toxicity (Repeated Exposure)** - Contains component(s) which have been reported to cause effects on the following organs in animals: Blood.
- Carcinogenicity** - During use of the material, small amounts of methylethylketoxime (MEKO) will be released. Rodents exposed to chronic MEKO inhalation throughout their lifetimes showed significant increases in liver tumor rates.
- Teratogenicity** - For this family of materials: Did not cause birth defects or any other fetal effects in laboratory animals.
- Reproductive toxicity** - For this family of materials: In animal studies, did not interfere with reproduction.
- Mutagenicity** - For this family of materials: In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.
- Aspiration Hazard** - Based on physical properties, not likely to be an aspiration hazard.

Section 12 - Ecological Information

- Acute inhalation toxicity** - **2-Butanone, O,O',O''-(methylsilyldiylne)trioxime** -Acute toxicity to fish Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested). For the hydrolysis product(s) LC50, Oncorhynchus mykiss (rainbow trout), Static, 96 Hour, > 120 mg/l, OECD Test Guideline 203. Acute toxicity to aquatic invertebrates For the hydrolysis product(s)EC50, Daphnia magna (Water flea), static test, 48 Hour, > 120 mg/l, OECD Test Guideline 202For the hydrolysis product(s) EC50, Selenastrum capricornutum (green algae), Static, 72 Hour, Growth rate, 94 mg/l, OECD Test Guideline 201 For

the hydrolysis product(s) NOEC, Selenastrum capricornutum (green algae), Static, 72 Hour, Growth rate, 30 mg/l, OECD Test Guideline 201 Chronic toxicity to fish NOEC, Oryzias latipes (Orange-red killifish), flow-through test, 14 d, 50 mg/l Chronic toxicity to aquatic invertebrates NOEC, Daphnia magna, semi-static test, 21 d, > 100 mg/l

Vinyltri (methylethylketoxime) silane - Acute toxicity to fish Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

LC50, Oncorhynchus mykiss (rainbow trout), 96 Hour, > 120 mg/l, OECD Test Guideline 203 LC50, Oryzias latipes (Orange-red killifish), 96 Hour, > 100 mg/l, OECD Test Guideline 203

Methyltri(ethylmethylketoxime)silane isomers and oligomers – Acute toxicity to fish No relevant data found.

- Persistence/Degradability** - **2-Butanone, O,O',O''-(methylsilyldiyl)trioxime** - Biodegradability: Based on information for a similar material: This material rapidly hydrolyzes to products that are either readily or ultimately biodegradable. 10-day Window: Fail Biodegradation: 0 % Exposure time: 28 d Method: OECD Test Guideline 301A
Vinyltri (methylethylketoxime) silane - Biodegradability: Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability. 10-day Window: Fail Biodegradation: 0 % Exposure time: 28 d Method: OECD Test Guideline 301A
- Bioaccumulation Potential** - **2-Butanone, O,O',O''-(methylsilyldiyl)trioxime** - bioaccumulation: Bioconcentration potential is low (BCF less than 100 or log Pow greater than 7). Partition coefficient: n-octanol/water(log Pow): 11.2
- Mobility in Soil** - No relevant data found

Section 13 - Disposal Considerations

- Product** - DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Section 14 - Transportation Information

	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Environmental hazards
DOT	N/A	Not Regulated	N/A	N/A	N/A
TDG	N/A	Not Regulated	N/A	N/A	N/A
IMO/IMDG	N/A	Not Regulated	N/A	N/A	N/A
IATA/ICAO	N/A	Not Regulated	N/A	N/A	N/A
Add Info	No additional data available				

Section 15 - Regulatory Information

- SARA Sections 311 and 312** - Respiratory or skin sensitization. Specific target organ toxicity (single or repeated exposure)
- SARA Sections 313** - This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- CERCLA Section 103** - Methanol – CAS 67-56-1, RQ – 5000 Lbs.
Methanol – CAS 67-56-1, RQ – 100 Lbs. (F003)
Hexane – CAS 110-54-3, RQ – 5000 Lbs.
- California Prop. 65** WARNING: This product can expose you to chemicals including Hexane, Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**United States TSCA
Inventory (TSCA)**

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Section 16 - Other Information

- Last Revision Date** - 9/16/2020
- Prepared By** - GG Inc.
- Disclaimer/Statement of Liability** - This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to verify the suitability and completeness of such information for particular use. The manufacturer does not accept liability for any loss or damage that may occur from the use of this information.