

SAFETY DATA SHEET

ADVANCED POLYMER

Version: 1.1	Revision Date: 3/17/2015	MSDS Number: GHS-19500-AP-VAR	Date Completed: 09/2015
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SECTION 1. IDENTIFICATION

Product Name: Advanced Polymer Sealant

Manufacturer or supplier's details

Company name of supplier: JIT Silicones Plus

Address: 5 Industrial Park Drive
Oakdale, PA 15071

Telephone: 855-548-7587

Emergency Telephone: 24 Hour Emergency Telephone:
CHEMTREC: (800) 424-9300

Recommended use of the chemical and restrictions on use

Recommended use: Sealant - Other

GHS Classification: This chemical is considered hazardous b the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Sensitization: Category 1

Serious Eye Damage/Eye Irritation: Category 2

Reproductive Toxicity: Category 1B

Emergency Overview: Signal Word – Danger

GHS Label Element

Hazard Pictograms



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Hazard Statements:	Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility or the unborn child.
Appearance:	Varies
Physical State:	Paste Liquid
Odor:	Mint-like
<u>Precautionary Statements – Prevention:</u>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection.
Precautionary Statements – Response:	IF exposed or concerned: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label).
<u>Skin:</u>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
<u>Eyes:</u>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do: continue rinsing. If eye irritation persists: Get medical advice/attention.
<u>Ingestion:</u>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
<u>Precautionary Statements – Storage:</u>	Store locked up.
<u>Precautionary Statements – Disposal:</u>	Dispose of contents/container to an approved waste disposal plant.
<u>Hazards not otherwise classified (HNOC):</u>	Not applicable.
<u>Unknown Toxicity:</u>	71.9% of the mixture consists of ingredient(s) of unknown toxicity.
<u>Other Information:</u>	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<u>Interactions with Other Chemicals:</u>	No information available.

SECTION 2. HAZARDS IDENTIFICATION

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture

Chemical Nature: MS

CAS Number	WT %	Component Name:
1317-65-3	30 – 60	Limestone
Proprietary	30 – 60	MS Polymers
2768-02-7	1 – 5	Silane, ethenyltrimethoxy-
471-34-1	10 – 30	Calcium Carbonate
1333-86-4	1 – 5	Carbon Black (if needed)
22673-19-4	0.1 – 1	Tin catalyst
13463-67-7	1 – 5	Titanium Dioxide (if needed)
*The exact percentage (concentration) of composition has been withheld as a trade secret.		

SECTION 4. FIRST AID MEASURES

General Advice:	Show this safety data sheet to the doctor in attendance.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
Skin Contact:	Wash with soap and water. May cause an allergic skin reaction. In case of skin irritation or allergic reaction, see physician.
Inhalation:	Remove to fresh air.
Ingestion:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.
Most important symptoms and effects, both acute and delayed:	Burning sensation; Itching; Rashes; Hives.

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Indication of any immediate medical attention and special treatment needed

Notes to Physician:

May cause sensitization of susceptible persons. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

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

Unsuitable Extinguishing Media:

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Product is or contains a sensitizer. May cause sensitization b skin contact.

Uniform Fire Code

Sensitizer: Liquid

Hazardous Combustion Products:

Carbon oxides

Explosion Data:

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions:

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

Other Information:

Refer to protective measures listed in Section 7 and 8.

Environmental Precautions

Environmental Precautions:

Refer to protective measures listed in Section s 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment:

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up:

Soak up with inert absorbent material. Pick up and transfer to

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properly labeled containers.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities:

exx Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

Incompatible Products: None known based on information supplied.

SECTION 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Supplier Trade Secret	-	TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³	TWA: 5 mg/m ³ respirable dust TWA: 10 mg/m ³ total dust
Supplier Trade Secret	-	TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 5000 mg/m ³
Supplier Trade Secret	TWA: 10 mg/m ³	TWA: 15 m/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Supplier Trade Secret	STEL: 0.1 mg/m ³ Sn TWA: 0.1 mg/m ³ Sn S*	TWA: 0.1 mg/m ³ (vacated) TWA: 0.1 mg/m ³ Sn (vacated) S*	IDLH: 25 mg/m ³ Sn TWA: 0.1 mg/m ³ except Chexatin Sn

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ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL. Occupational Safety and Health Administration – Permissible Exposure Limits Immediately Dangerous to Life or Health.

Other Exposure Guidelines:

Vacated limited revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters.

Appropriate Engineering Controls:

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection:

If splashes are likely to occur: Wear safety glasses with side shields (or goggles). None required for consumer use.

Skin and Body Protection:

Wear protective gloves and protective clothing.

Respiratory Protection:

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Wear suitable gloves and eye/face protection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Paste, Liquid

Color: Varies

Odor: Mint-like

Odor Threshold: No information available

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Appearance: Varies

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	UNKNOWN	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air Upper flammability limit Lower flammability limit	No data available No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing Properties	No data available	
<u>Other Information</u>		
Softening Point	No data available	
VOC Content (g/L)	9	
Particle Size	No data available	
Particle Size Distribution	No data available	

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	No data available.
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:	Moisture.

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Incompatible materials: None known based on information supplied.

Hazardous Decomposition Products: Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information:

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye Contact: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact: Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information:

Chemical Name	ACGIH	IARC	NTP	OSHA
Supplier Trade Secret	-	Group 2B	-	X
Supplier Trade Secret	A3	Group 2B	-	X

n Conference of Governmental Industrial Hygienists)
:inogen
nal Agency for Research on Cancer)
ibly Carcinogenic to Humans
onal Safety and Health Administration of the US Department of Labor)

Toxicity

own or suspected reproductive toxin.

exposure

on available.

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STOT – repeated exposure

No information available.

Chronic Toxicity

No known effect based on information supplied. Contains a known or suspected reproductive toxin. Possible risk of irreversible effects.

Target Organ Effects

Eyes. Skin. Respiratory system. Gastrointestinal tract (GI). Reproductive System. Lungs. Lymphatic System.

Aspiration Hazard

No information available.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) = 7,067.00 mg/kg

ATEmix (inhalation-dust/mist) = 38.30 mg/L

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this products has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Supplier Trade Secret				24h EC50: > 5600 mg/L

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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Disposal methods:

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging:

Dispose of contents/containers in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Tin Catalyst (CAS# 22673-19-4)	Toxic

SECTION 14. TRANSPORT INFORMATION

DOT NOT REGULATED
Proper Shipping Name: Not Regulated
Hazard Class: N/A

TDGInter Not Regulated

MEX Not Regulated

ICAO Not Regulated

IATA Not Regulated
Proper Shipping Name: Not Regulated
Hazard Class: N/A

IMDG/IMO Not Regulated
Hazard Class: N/A

RID Not Regulated

ADR Not Regulated

AND Not Regulated

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SECTION 15. REGULATORY INFORMATION

International Inventories

TSCA Not determined

DSL Not determined

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	No
<input type="checkbox"/> Sudden release of pressure hazard:	No
Reactive Hazard:	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

None reportable

U.S. State Right-to-Know Regulations

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Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Supplier Trade Secret	X	X	X		
Supplier Trade Secret	X	X	X		X
Supplier Trade Secret	X	X	X		
Supplier Trade Secret	X	X	X		

International Regulations

Mexico

Component	Carcinogen Status	Exposure Limits
Supplier Trade Secret (1-5)		Mexico: TWA = 10 mg/m ³ Mexico: STEL = 20 mg/m ³
Supplier Trade Secret (0.1-1)		Mexico: TWA 0.1 mg/m ³ Mexico: STEL 0.2 mg/m ³
Supplier Trade Secret (1-5)		Mexico: TWA 3.5 mg/m ³ Mexico: STEL 7 mg/m ³
Supplier Trade Secret (10-30)		Mexico: TWA 10 mg/m ³ Mexico: STEL 20 mg/m ³
Supplier Trade Secret (30-60)		Mexico: TWA = 10 mg/m ³ Mexico: STEL = 20 mg/m ³

Mexico – Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

D2A – Very toxic materials

D2B – Toxic materials

SECTION 16. OTHER INFORMATION

NFPA

Health Hazards:	2
Flammability:	0
Instability:	0

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Physical/Chemical Hazards: -

HMIS

Health Hazards: 2*
Flammability 0
Physical Hazard: 0
Personal Protection: X

Chronic Hazard Star Legend * = Chronic Health Hazard

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations. 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 specifications. 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 an process, unless specified in the text.