



SAFETY DATA SHEET

Revision Date: 11/24/2015
SDS Type: Hot Melt

Section 1 – Identification

Product Name: **620**

Product Description: Hot Melt Sealant

Recommended Use: Standing seam roof sealant.

Manufacturer: **deVan Sealants, Inc.**
6301 Prescott Avenue
P.O. Box 470375
St. Louis, Missouri 63147
USA

Phone: +1 314-383-1941

Fax: +1 314-383-6491

24-hour Emergency Contact: ChemTel
USA: 800-255-3924
International: +01 813-248-0585

Section 2 – Hazard Identification

GHS Classification: Skin irritation Category 3
Eye irritation Category 2B
Specific target organ toxicity
– repeated exposure (skin) Category 2

GHS Label Element:



Signal Word: Warning

Hazard Statements: H316 Causes mild skin irritation.
H320 Causes eye irritation.
H373 May cause damage to organs (kidney, skin) through prolonged or repeated exposure.

Precautionary Statements:

Prevention:

P264 Wash hands and skin contact areas thoroughly after handling.
P280 Wear protective gloves, protective clothing and eye protection.

Response:

P302 + P313 + P332 + P352 + P362 + P364 IF ON SKIN: Get medical advice. If skin irritation occurs: Get medical attention. Wash with plenty of soap and water. Difficult to remove material may require the use of mineral spirits to remove residue. Take off contaminated clothing and wash it before reuse.

P305 + P337 + P338 + P351 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 attention.

P314 Get medical attention if you feel unwell.

Storage:

No requirements.

Disposal

P501 Dispose of contents in accordance with local/regional/national regulations (see Section 13 for specifics).

Other Hazards:

None known.

Section 3 – Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %
Butene, homopolymer	9003-29-6	50-60%
Limestone	1317-65-3	20-30%
Synthetic amorphous silica	112926-00-8	1-10%
Solvent-dewaxed heavy paraffinic distillates	64742-65-0	1-5%

Section 4 – First Aid Measures

Eye:

Molten material in eyes will cause severe and permanent damage. If contact occurs with molten material, immediately cool with water. Do not attempt to remove material. Seek medical attention.

Skin:

Thermal burn hazard from molten material. Cool melted product on skin with water. Do not remove solidified product from skin as damaged skin can easily be torn. Seek medical attention for burns or if irritation develops.

Inhalation:

Vapors from molten material may irritate mucous membranes. Move individual to fresh air in case of accidental inhalation.

Ingestion:

Not an expected route of exposure.

Most important symptoms and effects, acute and delayed: May cause eye and skin irritation. May cause damage to skin through prolonged or repeated exposure.

Physicians: Treat according to the patient's condition and specifics of exposure.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media: For small fires use carbon dioxide (CO₂), dry chemical or water spray. For large scale fires, use dry chemical, foam or water spray.

Hazardous combustion products: Carbon monoxide, carbon dioxide, isobutene and other combustion products are possible.

Protective equipment and precautions: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep exposed containers cool.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions: Prevent further spillage if safe to do so. Keep from discharging into the environment.

Containment / Clean-up: Wipe or scrape up and contain for salvage or disposal. Dispose of according to state and local laws.

Section 7 – Handling and Storage

Handling: Avoid contact with molten material. Wash hands or exposed areas thoroughly after handling and prior to eating, drinking or smoking. Use personal protective equipment

Storage: Normal warehouse conditions are acceptable. Keep containers dry.

Section 8 – Exposure Controls / Personal Protection

Exposure Guidelines:

Chemical Name	CAS Number	Type	Value
Butene, homopolymer	9003-29-6	ACGIH	No established limits
		OSHA	No established limits
Limestone	1317-65-3	ACGIH	10 mg/m ³ total dust 3 mg/m ³ respirable fraction
		OSHA PEL	15 mg/m ³ total dust 5 mg/m ³ respirable fraction

Synthetic amorphous silica	112926-00-8	OSHA TWA	20 mppcf
		OSHA	0.8 mg/m ³
Solvent-dewaxed heavy paraffinic distillates	64742-65-0	ACGIH TWA	5 mg/m ³ respirable fraction
		OSHA PEL	500 ppm

Engineering Controls: Local and general ventilation are recommended.

Personal Protective Equipment:



Eye protection: Safety glasses recommended.

Skin and body protection: Gloves recommended to reduce exposure. Suitable gloves include cotton, leather, nitrile rubber, natural rubber or neoprene rubber. Wear appropriate clothing such as long sleeves and pants to reduce exposure

Respiratory protection: None required if local ventilation is adequate. Where concentrations are above recommended limits as determined by air sampling or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

Section 9 – Physical and Chemical Properties

Appearance: White to off-white, waxy solid

Odor: Faint, mild odor

Odor threshold: Not determined

pH: Not determined

Freezing/melting point: Not determined

Boiling point and range: Not determined

Flash point: Not determined

Evaporation rate: Not determined

Flammability: Not classified as a flammability hazard.

Lower / Upper flammability: Not determined

Vapor pressure @ 25°C: Not determined

Vapor density: Not determined

Specific gravity:	1.10 g/cm ³
Solubility:	Not determined
Partition coefficient (n-octanol/water):	Not determined
Autoignition temperature:	Not determined
Decomposition temperature:	>205°C (400°F)
Viscosity:	Not determined

Section 10 – Stability and Reactivity

Reactivity:	Not reactive.
Chemical stability:	Stable
Hazardous reaction possibility:	Hazardous reactions or polymerization will not occur.
Conditions to Avoid:	Avoid prolonged heating of the material at temperatures >205°C (400°F).
Incompatible materials:	Avoid contact with strong oxidizers.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, isobutene and other combustion products are possible.

Section 11 – Toxicological Information

Likely routes of exposure: Skin contact
Eye contact

Acute toxicity: Product
(estimates from the mixture calculation method)

Oral: LD₅₀ >14,900 mg/kg

Dermal: LD₅₀ >10,100 mg/kg

Inhalation: LD₅₀ >16 mg/L

Ingredients

Butene, homopolymer

Oral: LD₅₀ ≥34,600 mg/kg

Dermal: LD₅₀ ≥10,250 mg/kg (rabbit)

Inhalation: LD₅₀ ≥17.3 mg/L (mist)

Limestone

Oral: LD₅₀ 6450 mg/kg

Dermal: LD₅₀ No data

Inhalation: LD₅₀ No data

Synthetic amorphous silica
Oral: LD₅₀ >22,500 mg/kg
Dermal: LD₅₀ No data
Inhalation: LD₅₀ No data

Solvent-dewaxed heavy paraffinic distillates
Oral: LD₅₀ No data
Dermal: LD₅₀ No data
Inhalation: LD₅₀ No data

Skin corrosion / irritation: Product
No data available

Ingredients
Butene, homopolymer
Causes mild skin irritation.

Solvent-dewaxed heavy paraffinic distillates
Causes mild skin irritation.

Eye damage / irritation: Product
No data available

Ingredients
Butene, homopolymer
Causes eye irritation.

Synthetic amorphous silica
Causes eye irritation.

Solvent-dewaxed heavy paraffinic distillates
Causes eye irritation.

Respiratory / skin sensitization: Not classified based on available information.

Mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive toxicity: Not classified based on available information.

STOT – single exposure: Not classified based on available information.

STOT – repeated exposure: Product
No data available.

Ingredients
Butene, homopolymer
May cause damage to organs (skin) through prolonged or repeated exposure.

Aspiration hazard: Not classified based on available information.

Section 12 – Ecological Information

Ecotoxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: This product does not contain any of the controlled substances listed in the Annexes to the Montreal Protocol at concentrations of $\geq 0.1\%$.

Section 13 – Disposal Considerations

Disposal methods: This product has been evaluated for RCRA hazard class (40 CFR 261) characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form. Do not dispose material into any storm water or sewage system. State or local laws may impose additional regulatory requirements regarding disposal.

Packaging disposal: Packaging contaminated with butyl sealant should be disposed of in accordance with local regulations. Clean, empty packaging should be taken to an approved waste handling site for recycling or disposal.

Section 14 – Transport Information

DOT (49 CFR 172.101): Not subject to DOT regulations.

UN number: Not regulated as a dangerous good.

UN proper shipping name: Not regulated as a dangerous good.

Hazard class: Not applicable.

Packing group: Not applicable.

Marine pollutant: No.

Transport in bulk: Not applicable for product as supplied, according to Annex II of MARPOL 73/78 and the IBC Code.

Ocean Shipment (IMDG): Not subject to IMDG code.

Air shipment (IATA): Not subject to IATA regulations.

Special precautions: Not applicable.

Section 15 – Regulatory Information

Contents of this MSDS comply with OSHA Hazard Communication Standard 29 CFR 1910.1200.

- TSCA Status: All chemical substances in this product are either listed or exempt from listing on the TSCA Inventory.
- SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 304: This material does not contain any extremely hazardous substances with SARA Title III, Section 304 reportable quantities.
- SARA 311/312 hazards: Acute health hazard
Chronic health hazard
- SARA 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.
- California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer:
Crystalline silica, CAS 14808-60-7, <0.04%

Section 16 – Other Information

NFPA:



HMIS:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

- Abbreviations and acronyms: ACGIH – American Conference of Governmental Industrial Hygienists
CAS – Chemical Abstracts Service
CFR – Code of Federal Regulations
DOT – Department of Transportation
GHS – Globally Harmonized System
HMIS – Hazardous Materials Identification System
IATA – International Air Transport Association
IARC – International Agency for Research on Cancer
IBC – Intermediate Bulk Container
IMDG – International Maritime Dangerous Goods
LD₅₀ – Lethal Dose for 50 percent of exposed individuals
MARPOL – International Convention for the Prevention of Pollution from Ships (Maritime Pollution)
MSDS – Material Safety Data Sheet
MSHA – Mine Safety and Health Administration

mppcf – Million parts per cubic foot
NFPA – National Fire Protection Association
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OSHA – Occupational Safety and Health Administration
PEL – Permissible Exposure Level
ppm – Parts per million
RCRA – Resource Conservation and Recovery Act of 1976
SARA – Superfund Amendments and Reauthorization Act
SDS – Safety Data Sheet
STOT – Specific Target Organ Toxicity
TSCA – Toxic Substance Control Act of 1976
UN – United Nations

Revision information: Sections 2, 3, 8 and 11 were updated from the SDS dated 4-20-15 because ethylene glycol was removed from the product.

Prepared by: deVan Sealants, Inc.

Date: November 24, 2015

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. It is the responsibility of the user to comply with all federal, state and local laws and regulations.