



SAFETY DATA SHEET

Revision Date: 2/12/2019
SDS Type: Pumpable

Section 1 – Identification

Product Name: **281C.12**

Product Description: Non-Skinning, Pumpable Butyl Caulk

Recommended Use: Sealant for metal wall panels, rigid joints and expansion joints.

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:	Flammable liquid:	Category 4
	Acute toxicity – dermal	Category 5
	Eye irritation:	Category 2B
	Specific target organ toxicity – repeated exposure (lungs):	Category 2
	Aspiration hazard:	Category 1

GHS Label Element:



Signal Word: **Danger**

Hazard Statements: H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.
H313 May be harmful in contact with skin.
H320 Causes eye irritation.
H373 May cause damage to organs (lungs) through prolonged or repeated exposure.

Precautionary Statements: Prevention:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 Wash hands and skin contact areas thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves, protective clothing and eye protection.

Response:
P301 + P310 + P331 IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting.
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.
P370 + P378 In case of fire: For small fires use carbon dioxide (CO₂), dry chemical or water spray to extinguish. For large scale fires, use dry chemical, foam or water spray to extinguish.

Storage:
P403 Store in a well-ventilated place.
P405 Store locked up.

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 %
Limestone	1317-65-3	40-50%
Butene, homopolymer	9003-27-4	20-30%
C10-C13 Isoalkanes	68551-17-7	10-20%
Hydrous magnesium silicate	14807-96-6	10-20%

Section 4 – First Aid Measures

Eye:	Flush with water for 15-minutes. Seek medical attention if mechanical irritation occurs.
Skin:	Remove from skin and wash with soap and water. Difficult to remove material may require the use of mineral spirits to remove residue. Get medical attention if irritation develops.
Inhalation:	If affected, remove to fresh air. Give oxygen as necessary. Seek medical attention if conditions persist.
Ingestion:	Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical attention immediately.
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:	Potential for chemical pneumonitis. 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 (CO ₂), 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:	Dike with absorbent material. Wipe or scrape up and contain for salvage or disposal. Dispose of according to state and local laws.

Section 7 – Handling and Storage

Handling: 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 away from heat conditions in excess of 120°F. Keep containers dry.

Section 8 – Exposure Controls / Personal Protection

Exposure Guidelines:

Chemical Name	CAS Number	Type	Value
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
Butene, homopolymer	9003-27-4	ACGIH	No established limits
		OSHA	No established limits
C10-C13 Isoalkanes	68551-17-7	ACGIH TWA	No established limits
		OSHA TWA	No established limits
Hydrous magnesium silicate	14807-96-6	ACGIH TWA	2 mg/m ³
		OSHA TWA	2 mg/m ³

Engineering Controls: Local and general ventilation are recommended to keep solvent vapors from building up while the product is drying.

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: 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:	Off-white to light gray, viscous liquid.
Odor:	Hydrocarbon when wet, none when dry.
Odor threshold:	Not determined
pH:	Not determined
Freezing/melting point:	Not determined
Boiling point and range:	Not determined
Flash point:	65.6°C (150°F), Tag closed-cup
Evaporation rate:	Not determined
Flammability:	Combustible liquid
Lower / Upper flammability:	Not determined
Vapor pressure @ 25°C:	Not determined
Vapor density:	3 (Air = 1)
Specific gravity:	1.41 g/cm ³
Solubility:	Not determined
Partition coefficient (n-octanol/water):	1.5 cSt @ 38°C (100°F) for C10-C13 Isoalkanes
Autoignition temperature:	230°C (446°F) for C10-C13 Isoalkanes
Decomposition temperature:	Not determined
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 heat, sparks, open flames and other ignition sources.

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
Inhalation

Acute toxicity:

Product

(estimates from the mixture calculation method)

Oral: LD₅₀ >5500 mg/kg

Dermal: LD₅₀ >3500 mg/kg

Inhalation: LC₅₀ 9.1 mg/L

Ingredients

Limestone

Oral: LD₅₀ 6450 mg/kg

Dermal: LD₅₀ No data

Inhalation: LC₅₀ No data

Butene, homopolymer

Oral: LD₅₀ >5000 mg/kg

Dermal: LD₅₀ >3000 mg/kg (rabbit)

Inhalation: LC₅₀ ≥17.3 mg/L (mist)

C10-C13 Isoalkanes

Oral: LD₅₀ ≥5000 mg/kg

Dermal: LD₅₀ ≥5000 mg/kg

Inhalation: LC₅₀ ≥4.9 mg/L (mist)

Hydrous magnesium silicate

Oral: LD₅₀ No data

Dermal: LD₅₀ No data

Inhalation: LC₅₀ No data

Skin corrosion / irritation: Not classified based on available information.

Eye damage / irritation:

Product

No data available

Ingredients

Butene, homopolymer

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:	<p><u>Product</u> No data available.</p> <p><u>Ingredients</u> Limestone May cause damage to organs (lungs) through prolonged or repeated exposure.</p>
Aspiration hazard:	<p><u>Product</u> No data available.</p> <p><u>Ingredients</u> C10-C13 Isoalkanes May be fatal if swallowed and enters airways.</p>

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 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 can expose you to crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Section 16 – Other Information

NFPA:



HMIS:

HEALTH	1
FLAMMABILITY	2
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 – International Bulk Chemical Code
IMDG – International Maritime Dangerous Goods
LD₅₀ – Lethal Dose for 50 percent of exposed individuals
LC₅₀ – Lethal Concentration 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
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 3, 8, 15, and 16 were updated from the SDS dated 12-8-2016 to reflect updated information from chemical ingredient suppliers.

Prepared by: deVan Sealants, Inc.

Date: February 12, 2019

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.