

	<h1>Safety Data Sheet</h1>	<p><b>24 Hour Emergency Phone Numbers</b>  <b>Medical/Poison Control:</b>  <b>In U.S.: Call 1-800-222-1222</b></p> <p><b>Outside U.S.: Call your local poison control center</b></p> <p><b>Transportation/National Response Center:</b></p> <p style="text-align: center;"><b>1-800-535-5053</b>  <b>1-352-323-3500</b></p> <p>NOTE: The National ResponseCenter emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.</p>
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IMPORTANT: Provide this information to employees, customers, and users of this product. Read this SDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this SDS are further described in Section 16.

## 1. Identification

<b>Product Name:</b>	Blockade Fire-Rated Intumescent Acrylic Latex Sealant	<b>Revision Date:</b>	10/23/2018
<b>Product UPC Number:</b>	070798188587	<b>Supersedes Date:</b>	2/23/2018
<b>Manufacturer:</b>	DAP Products Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non - emergency matters)	<b>Product Use/Class:</b>	Caulking Compound
	SDS Coordinator: MSDS@dap.com	<b>SDS No:</b>	00077365004
	Emergency Telephone: 1-800-535-5053, 1-352-323-3500, 1-800-222-1222	<b>Preparer:</b>	Regulatory and Environmental Affairs

## 2. Hazards Identification

### GHS Classification

Acute Tox. 4 Inhalation, Carc. 1B

### Symbol(s) of Product



### Signal Word

Danger

### Possible Hazards

20% of the mixture consists of ingredients of unknown acute toxicity

### GHS HAZARD STATEMENTS

Acute Toxicity, Inhalation, category 4	H332	Harmful if inhaled.
Carcinogenicity, category 1B	H350	May cause cancer.

**GHS LABEL PRECAUTIONARY STATEMENTS**

P201	Obtain special instructions before use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P405	Store locked up.
P501	Dispose of contents/container to ...

**3. Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Zinc borate	1332-07-6	7-13	No Information	No Information
Graphite	7782-42-5	5-10	No Information	No Information
Butene, homopolymer	9003-29-6	3-7	GHS06-GHS08	H304-315-331
Limestone	1317-65-3	3-7	No Information	No Information
Soda lime borosilicate glass	65997-17-3	3-7	No Information	No Information
Propylene glycol	57-55-6	1-5	No Information	No Information
Iron oxide	1309-37-1	1-5	GHS06	H319-330
Sulfuric acid	7664-93-9	0.5-1.5	GHS05-GHS06-GHS08	H314-330-350
Sulfuric acid	7697-37-2	0.1-1.0	GHS05-GHS06	H314-330
Quartz	14808-60-7	0.1-1.0	GHS07	H302

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

**4. First-aid Measures**

**FIRST AID - INHALATION:** Material is not likely to present an inhalation hazard at ambient conditions. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**FIRST AID - SKIN CONTACT:** In case of contact, wash skin immediately with soap and water.

**FIRST AID - EYE CONTACT:** In case of contact, immediately flush eyes with large quantities of water for at least 15 minutes until irritation subsides. Get medical attention immediately.

**FIRST AID - INGESTION:** If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

**5. Fire-fighting Measures**

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

**EXTINGUISHING MEDIA:** Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog

**6. Accidental Release Measures**

**ENVIRONMENTAL MEASURES:** No Information

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Scrape up dried material and place into containers.

**7. Handling and Storage**

**HANDLING:** KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Wash thoroughly after handling.

**STORAGE:** Avoid excessive heat and freezing. Do not store at temperatures above 120 degrees F. Store away from caustics and oxidizers.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Zinc borate	N.E.	N.E.	N.E.	N.E.
Graphite	2 mg/m3 TWA all forms except graphite fibers respirable particulate matter	N.E.	15 mg/m3 TWA synthetic total dust, 5 mg/m3 TWA synthetic respirable fraction	N.E.
Butene, homopolymer	N.E.	N.E.	N.E.	N.E.
Limestone	N.E.	N.E.	15 mg/m3 TWA total dust, 5 mg/m3 TWA respirable fraction	N.E.
Soda lime borosilicate glass	N.E.	N.E.	N.E.	N.E.
Propylene glycol	N.E.	N.E.	N.E.	N.E.
Iron oxide	5 mg/m3 TWA respirable particulate matter	N.E.	10 mg/m3 TWA fume, 15 mg/m3 TWA total dust Rouge, 5 mg/m3 TWA respirable fraction Rouge	N.E.
Sulfuric acid	0.2 mg/m3 TWA thoracic particulate matter	N.E.	1 mg/m3 TWA	N.E.
Sulfuric acid	0.2 mg/m3 TWA thoracic particulate matter	N.E.	1 mg/m3 TWA	N.E.
Quartz	0.025 mg/m3 TWA respirable particulate matter	N.E.	50 µg/m3 TWA	N.E.

**Further Advice:** MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation  
Sk = Skin Sensitizer N.E. = Not Established

### Personal Protection



**RESPIRATORY PROTECTION:** No personal respiratory protective equipment normally required. National Institute for Occupational Safety and Health (NIOSH) has recommended that the permissible exposure limit be changed to 50 micrograms respirable free silica per cubic meter of air (0.05 mg/m3) as determined by a full shift sample up to 10-hour work shift.



**SKIN PROTECTION:** Rubber gloves.



**EYE PROTECTION:** Goggles or safety glasses with side shields.



**OTHER PROTECTIVE EQUIPMENT:** Not required under normal use.



**HYGIENIC PRACTICES:** Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Red	<b>Physical State:</b>	Paste
<b>Odor:</b>	Very Slight Ammonia	<b>Odor Threshold:</b>	Not Established
<b>Density, g/cm<sup>3</sup>:</b>	1.38 - 1.38	<b>pH:</b>	Between 7.0 and 12.0
<b>Freeze Point, °C:</b>	Not Established	<b>Viscosity (mPa.s):</b>	Not Established
<b>Solubility in Water:</b>	No Information	<b>Partition Coeff., n-octanol/water:</b>	Not Established
<b>Decomposition Temperature, °C:</b>	Not Established	<b>Explosive Limits, %:</b>	N.E. - N.E.
<b>Boiling Range, °C:</b>	100 - 100	<b>Auto-Ignition Temperature, °C</b>	Not Established
<b>Minimum Flash Point, °C:</b>	100	<b>Vapor Pressure, mmHg:</b>	Not Established
<b>Evaporation Rate:</b>	Slower Than n-Butyl Acetate	<b>Flash Method:</b>	Seta Closed Cup
<b>Vapor Density:</b>	Heavier Than Air	<b>Flammability, NFPA:</b>	Non-Flammable
<b>Combustible Dust:</b>	Does not support combustion		

(See "Other information" Section for abbreviation legend)

(If product is an aerosol, the flash point stated above is that of the propellant.)

## 10. Stability and Reactivity

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Excessive heat and freezing.

**INCOMPATIBILITY:** Incompatible with strong bases and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Normal decomposition products, i.e., CO<sub>x</sub>, NO<sub>x</sub>.

## 11. Toxicological Information

**EFFECT OF OVEREXPOSURE - INHALATION:** Under normal use conditions, this product is not expected to cause adverse health effects. Inhalation of vapors in high concentration may cause mild irritation of respiratory system (nose, mouth, mucous membranes).

**EFFECT OF OVEREXPOSURE - SKIN CONTACT:** Under normal use conditions, this product is not expected to cause adverse health effects. Prolonged or repeated contact with skin may cause mild irritation.

**EFFECT OF OVEREXPOSURE - EYE CONTACT:** Under normal use conditions, this product is not expected to cause adverse health effects. Direct eye contact may cause irritation.

**EFFECT OF OVEREXPOSURE - INGESTION:** Under normal use conditions, this product is not expected to cause adverse health effects. Single dose oral toxicity is very low. Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of large amounts may cause injury.

**CARCINOGENICITY:** No Information

**EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS:** Repeated or prolonged exposure may cause mild irritation of eyes and skin. The International Agency for Research on Cancer (IARC) has determined that crystalline silica in the form of quartz or cristobalite that is inhaled from occupational sources is carcinogenic to humans (Group 1- carcinogenic to humans). Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibres (published in June 1997) in conjunction with the use of these materials. The National Toxicology Program (NTP) classifies respirable crystalline silica as "known to be a human carcinogen". Refer to the 9th Report on Carcinogens (2000). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (Group A2). Breathing dust containing respirable crystalline silica may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of dust may have the following serious chronic health effects: Excessive inhalation of respirable dust can cause pneumoconiosis, a respiratory disease, which can result in delayed, progressive, disabling and sometimes fatal lung injury. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Smoking exacerbates this disease. Individuals with pneumoconiosis are predisposed to develop tuberculosis. There is some evidence that breathing respirable crystalline silica or the disease silicosis is associated with an increased incidence of significant disease endpoints such as scleroderma (an immune system disorder manifested by fibrosis of the lungs, skin and other internal organs) and kidney disease.

**PRIMARY ROUTE(S) OF ENTRY:** Skin Contact, Inhalation

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<b>CAS-No.</b>	<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Vapor LC50</b>
1332-07-6	Zinc borate	N.I.	N.I.	N.I.

7782-42-5	Graphite	N.I.	N.I.	N.I.
9003-29-6	Butene, homopolymer	10000 mg/kg Rat	>2000 mg/kg Rat	>3.8 mg/L Rat
1317-65-3	Limestone	6450 mg/kg Rat	>2000 mg/kg	>20 mg/L
65997-17-3	Soda lime borosilicate glass	>2000 mg/kg Rat	>2000 mg/kg	>20 mg/L
57-55-6	Propylene glycol	22000 mg/kg Rat	>2000 mg/kg Rabbit	>20 mg/L
1309-37-1	Iron oxide	>10000 mg/kg Rat	>2000 mg/kg	>20 mg/L
7664-93-9	Sulfuric acid	2140 mg/kg Rat	N.I.	173.5 mg/L Rat
7664-93-9	Sulfuric acid	2140 mg/kg Rat	N.I.	.5 mg/L Rat
14808-60-7	Quartz	500 mg/kg Rat	>2000 mg/kg	>20 mg/L

N.I. = No Information

## 12. Ecological Information

**ECOLOGICAL INFORMATION:** Ecological injuries are not known or expected under normal use.

## 13. Disposal Information

**DISPOSAL INFORMATION:** This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulation, 40 CFR Section 261. Dispose as hazardous waste according to all local, state, federal and provincial regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Scrape up dried material and place into containers.

## 14. Transport Information

DOT UN/NA Number:	N.A.
DOT Proper Shipping Name:	Not Regulated
DOT Technical Name:	N.A.
DOT Hazard Class:	N.A.
Hazard SubClass:	N.A.
Packing Group:	N.A.

## 15. Regulatory Information

### SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
Sulfuric acid	7664-93-9
Chlorothalonil	1897-45-6

### TOXIC SUBSTANCES CONTROL ACT:

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

**16. Other Information**

**Revision Date:** 10/23/2018 **Supersedes Date:** 2/23/2018

**Reason for revision:** Substance and/or Product Properties Changed in Section(s):

01 - Product Information  
 05 - Flammability Information  
 09 - Physical & Chemical Information  
 11 - Toxicological Information  
 13 - Disposal Information  
 14 - Transportation Information  
 15 - Regulatory Information  
 16 - Other Information  
 Revision Statement(s) Changed

**Datasheet produced by:** Regulatory Department

**HMIS Ratings:**

<b>Health:</b>	<b>Flammability:</b>	<b>Reactivity:</b>	<b>Personal Protection:</b>
1	1	0	X

**VOC Less Water Less Exempt Solvent, g/L:** 46.0

**VOC Material, g/L:** 31

**VOC as Defined by California Consumer Product Regulation, Wt/Wt%:** 1.26

**VOC Actual, Wt/Wt%:** 2.3

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H350	May cause cancer.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

GHS05



GHS06



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.