



Safety Data Sheet

24 Hour Emergency Phone Numbers
Medical/Poison Control:
 In U.S.: Call 1-800-222-1222

Outside U.S.: Call your local poison control center

Transportation/National Response Center:

1-800-535-5053
1-352-323-3500

NOTE: The National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

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

This Safety Data Sheet is available in American Spanish upon request.
 Los Datos de Seguridad pueden obtenerse en Espanol si lo requiere.

| | | | |
|----------------------------|---|-------------------------|--------------------------------------|
| Product Name: | Blockade Fire-Rated Intumescent Acrylic Latex Sealant | Revision Date: | 2/23/2018 |
| Product UPC Number: | 070798188587 | Supercedes Date: | 7/14/2015 |
| Product Use/Class: | Caulking Compound | SDS No: | 00077365004 |
| Manufactured For | DAP Products Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non - emergency matters) | Preparer: | Regulatory and Environmental Affairs |
| | SDS Coordinator: MSDS@dap.com | | |
| | Emergency Telephone: 1-800-535-5053, 1-352-323-3500, 1-800-222-1222 | | |

2. Hazards Identification

EMERGENCY OVERVIEW: Under normal use conditions, this product is not expected to cause adverse health effects.

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 | 10-25 | No Information | No Information |
| Graphite | 7782-42-5 | 2.5-10 | No Information | No Information |
| Butene, homopolymer | 9003-29-6 | 2.5-10 | GHS06-GHS08 | H304-315-331 |
| Limestone | 1317-65-3 | 2.5-10 | No Information | No Information |
| Soda lime borosilicate glass | 65997-17-3 | 2.5-10 | No Information | No Information |
| Propylene glycol | 57-55-6 | 1.0-2.5 | No Information | No Information |
| Iron oxide | 1309-37-1 | 1.0-2.5 | GHS06 | H319-330 |
| Sulfuric acid | 7664-93-9 | 1.0-2.5 | 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: No health hazards are known to exist. 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: 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: Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Scrape up dried material and place into containers. Use personal protective equipment as necessary. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations.

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

| | | | |
|---------------------------------------|-----------------------------|---|----------------------|
| Appearance: | Red | Physical State: | Paste |
| Odor: | Slight | Odor Threshold: | Not Established |
| Density, g/cm³: | 1.38 - 1.38 | pH: | Between 7.0 and 12.0 |
| Freeze Point, °C: | Not Established | Viscosity (mPa.s): | Not Established |
| Solubility in Water: | No Information | Partition Coeff., n-octanol/water: | Not Established |
| Decomposition Temperature, °C: | Not Established | Explosive Limits, %: | N.I. - N.I. |
| Boiling Range, °C: | N.I. - N.I. | Auto-Ignition Temperature, °C | Not Established |
| Minimum Flash Point, °C: | 93.3 | Vapor Pressure, mmHg: | Not Established |
| Evaporation Rate: | Slower Than n-Butyl Acetate | Flash Method: | Seta Closed Cup |
| Vapor Density: | Heavier Than Air | Flammability: | Non-Flammable |
| Combustibility: | 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_x, NO_x.

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: Inhalation, Skin Contact

Acute Toxicity Values

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

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|------------------------------|------------------|--------------------|-------------------|
| 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.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No 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: 2/23/2018 **Supersedes Date:** 7/14/2015

Reason for revision: Revision Description Changed
Product Composition Changed
Substance and/or Product Properties Changed in Section(s):
01 - Product Information
02 - Hazards Identification
09 - Physical & Chemical Information
15 - Regulatory Information
16 - Other Information
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

HMIS Ratings:

Health: 1 **Flammability:** 0 **Reactivity:** 0 **Personal Protection:** 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%: 1.3

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.