



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

| | | | |
|----------------------------|---|---------------------------|--------------------------------------|
| Product Name: | Blockade Fire-Rated Intumescent Acrylic Latex Sealant | Revision Date: | 12/29/2021 |
| Product UPC Number: | 070798188587 | Supersedes Date: | 10/29/2018 |
| Manufactured For | DAP Products Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non - emergency matters) | Product Use/Class: | Caulking Compound |
| | SDS Coordinator: MSDS@dap.com | SDS No: | 7736504 |
| | Emergency Telephone: 1-800-535-5053, 1-352-323-3500, 1-800-222-1222 | Preparer: | Regulatory and Environmental Affairs |

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, Eye Irrit. 2, Skin Irrit. 2

Symbol(s) of Product



Signal Word

Warning

Possible Hazards

45% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Skin Irritation, category 2

H315

Causes skin irritation.

Eye Irritation, category 2 H319 Causes serious eye irritation.
 Acute Toxicity, Inhalation, category 4 H332 Harmful if inhaled.

GHS LABEL PRECAUTIONARY STATEMENTS

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P321 Specific treatment (see ... on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing.

3. Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|--------------------------------------|---------------------|--------------|--------------------|-----------------------|
| Polyphosphoric acids, ammonium salts | CASRN NOT AVAILABLE | 7-13 | No Information | No Information |
| Zinc borate | 1332-07-6 | 7-13 | No Information | No Information |
| Graphite | 7782-42-5 | 5-10 | GHS02 | H252 |
| Butene, homopolymer | 9003-29-6 | 3-7 | GHS07-GHS08 | H304-315-332 |
| Limestone | 1317-65-3 | 3-7 | No Information | No Information |
| Propylene glycol | 57-55-6 | 1-5 | No Information | No Information |
| Sulfuric acid | 7664-93-9 | 0.5-1.5 | GHS05-GHS06 | H314-330 |
| Sulfuric acid | 7697-37-2 | 0.1-1.0 | GHS05 | H314 |

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: None Known.

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 Spray or Fog, Water

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate. Dispose of saturated absorbent or cleaning materials appropriately. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

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 °F (49 °C). 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> |
|--------------------------------------|---|--|--|-------------------------|
| Polyphosphoric acids, ammonium salts | N.E. | N.E. | N.E. | N.E. |
| Zinc borate | 2 mg/m3 TWA As Borate compounds, inorganic [RR-33876-1] inhalable particulate matter | 6 mg/m3 STEL As Borate compounds, inorganic [RR-33876-1] inhalable particulate matter | 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. |
| Propylene glycol | N.E. | N.E. | N.E. | 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. |

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.



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: | Very Slight Ammonia | 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: | Not Established | Partition Coeff., n-octanol/water: | Not Established |
| Decomposition Temperature, °C: | Not Established | Explosive Limits, %: | N.E. - N.E. |
| Boiling Range, °C: | 100 - 100 | Auto-Ignition Temperature, °C | Not Established |
| Minimum Flash Point, °C: | 100 | Vapor Pressure, mmHg: | Not Established |
| Evaporation Rate: | Slower Than n-Butyl Acetate | Flash Method: | Seta Closed Cup |
| Vapor Density: | Heavier Than Air | Flammability, NFPA: | Non-Flammable |
| Combustible Dust: | 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., COx, NOx.

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. Constituents of this product include crystalline silica which, if inhalable, may cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. Constituents may also contain asbestiform or non-asbestiform tremolite or other silicates as impurities, and above de minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

PRIMARY ROUTE(S) OF ENTRY: 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> |
|----------------|-------------------------------------|------------------|---------------------|-------------------|
| 68333-79-9 | Polyposphoric acids, ammonium salts | >2000 mg/kg Rat | N.I. | N.I. |
| 1332-07-6 | Zinc borate | >10000 mg/kg Rat | >10000 mg/kg Rabbit | 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 | >19.2 mg/L Rat |
| 1317-65-3 | Limestone | 6450 mg/kg Rat | N.I. | N.I. |

| | | | | |
|-----------|------------------|-----------------|--------------------|----------------|
| 57-55-6 | Propylene glycol | 22000 mg/kg Rat | >2000 mg/kg Rabbit | >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. | N.I. |

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> |
|----------------------|----------------|
| Zinc borate | 1332-07-6 |
| 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: 12/29/2021 **Supersedes Date:** 10/29/2018

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

Datasheet produced by: Regulatory Department

HMIS Ratings:

| Health: | Flammability: | Reactivity: | Personal Protection: |
|----------------|----------------------|--------------------|-----------------------------|
| 1 | 0 | 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:

| | |
|------|---|
| H252 | Self-heating in large quantities; may catch fire. |
| H304 | May be fatal if swallowed and enters airways. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H330 | Fatal if inhaled. |
| H332 | Harmful if inhaled. |

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

GHS02



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.