

**DAP BLOCKADE RED**

REVISION DATE: 10/27/2005

SUPERCEDE DATE: 02/28/2003

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : DAP BLOCKADE RED  
 Product code : 7079818858

Manufactured For : DAP Inc.  
 2400 Boston Street Ste 200  
 Baltimore, MD 21224

Telephone Medical: 1-800-327-3874  
 Telephone Transportation: 1-800-535-5053

Product use : Intumescent Sealant for Fire Stopping

**SECTION 2 - HAZARDS IDENTIFICATION**

**Emergency Overview**

Red. Non-sag gunnable paste. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : May cause slight irritation to the respiratory system.  
 Eyes : Slightly irritating.  
 Ingestion : May cause irritation to the mouth, throat and stomach.  
 Skin : Irritant effect may be delayed.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

The International Agency for Research on Cancer (IARC) has classified ceramic fiber, fibrous glasswool, and mineral wool (rockwool and slagwool) as possible human carcinogens (Group 2B) based on sufficient evidence of carcinogenicity in animals but insufficient data in humans. In the National Toxicology Program's (NTP) 7th Annual Report on Carcinogens (1994), respirable glasswool was classified as reasonably anticipated to be carcinogenic. Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. OSHA considers fibrous glass dust a nuisance dust with an ACGIH TLV of 10mg/m3 total dust. Fibrous glass can cause dermatitis, local irritation. Long term overexposure to propylene glycol caused liver abnormalities, kidney damage in laboratory animals. Repeated excessive ingestion may cause central nervous system effects. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	30.0 - 60.0
Acrylic Polymer	NJ TSRN# 51721300-5816P	15.0 - 40.0
Limestone (Calcium carbonate)	1317-65-3	15.0 - 40.0
White mineral oil	8042-47-5	5.0 - 10.0

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Amine phosphate	NJ TSRN# 51721300-5352P	3.0 - 7.0
Graphite intercalation	NJ TSRN# 51721300-5378P	1.0 - 5.0
Glass oxide	65997-17-3	1.0 - 5.0
Amorphous silica	7631-86-9	1.0 - 5.0
Pentaerythritol	115-77-5	1.0 - 5.0
Propylene glycol	57-55-6	1.0 - 5.0
Melamine	108-78-1	1.0 - 5.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <1.0
Chlorothalonil	1897-45-6	- <1.0

### SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	:	Flush with water for 15 minutes. If irritation persists, get medical attention.
Skin contact	:	Wash with water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

### SECTION 5 - FIRE FIGHTING MEASURES

Flash point	:	Not available.
Method	:	Not available.
Burning rate	:	Non-flammable solid
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.
Hazardous combustion products	:	Smoke, fumes.
Protective equipment for firefighters	:	Not applicable. Product is not expected to burn.
Fire and explosion conditions	:	This product not expected to ignite under normal conditions of use.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal. Keep out of water courses.

### SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when

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not in use. Precautions also apply to emptied containers. Do not use in confined or poorly ventilated areas. Store in sealed containers in a dry, ventilated warehouse location above freezing.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Personal protection equipment

- Respiratory protection : Not required under normal conditions of use.
- Hand protection : Protect hands with impervious gloves.
- Eye protection : Use safety glasses if eye contact is likely.
- Protective measures : Use professional judgment in the selection, care, and use. Other equipment not normally required.
- Engineering measures : General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

#### Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Limestone (Calcium carbonate)	1317-65-3	OSHA PEL: OSHA PEL: ACGIH TWA: ACGIH TWA: OSHA TWA: OSHA TWA:	5 mg/m3 15 mg/m3 3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Total dust. Respirable particles. Inhalable particles. Total dust. Respirable fraction.
Graphite intercallation	NJ TSRN# 51721300-5378P	ACGIH TWA: OSHA PEL: OSHA PEL:	2 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Total dust. Respirable fraction.
Glass oxide	65997-17-3	ACGIH TWA:	5 mg/m3	Inhalable fraction.
Amorphous silica	7631-86-9	ACGIH TWA: ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA:	3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3 0.8 mg/m3	Respirable particles. Inhalable particles. Total dust. Respirable fraction.
Pentaerythritol	115-77-5	ACGIH TWA: OSHA PEL: OSHA PEL:	10 mg/m3 5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	ACGIH TWA: OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL:	0.05 mg/m3 0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Respirable. Total dust. Total dust. Respirable fraction.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Non-sag gunnable paste
- Color : Red

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Odor	: Acrylate
pH	: 7.0 - 10.0
Vapour pressure	: Not available.
Vapor density	: Heavier than air
Melting point/range	: 32 °F, 0 °C
Freezing point	: Not available.
Boiling point/range	: 212 °F, 100 °C
Water solubility	: Miscible
Specific Gravity	: 1.45
% Volatile Weight	: 30 %

### SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Oxidizing agents.Strong acids.Strong bases.

### SECTION 11 - TOXICOLOGICAL INFORMATION

Amorphous silica, CAS-No.: 7631-86-9 Acute oral toxicity (LD-50 oral)	22,500 mg/kg ( Rat )
Pentaerythritol, CAS-No.: 115-77-5 Acute oral toxicity (LD-50 oral)	25,500 mg/kg ( Mouse )
Propylene glycol, CAS-No.: 57-55-6 Acute oral toxicity (LD-50 oral)	30,000 mg/kg ( Rat )
Chlorothalonil, CAS-No.: 1897-45-6 Acute oral toxicity (LD-50 oral)	10,000 mg/kg ( Rat )
Acute dermal toxicity (LD-50 dermal)	10,000 mg/kg ( Albino rat )

### SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

### SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

### SECTION 14 - TRANSPORTATION / SHIPPING DATA

**TDG / DOT Shipping Description:**  
NOT REGULATED

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**SECTION 15 - REGULATORY INFORMATION**

**North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

**U.S. Federal Regulations:**

SARA 313 Components : Chlorothalonil 1897-45-6

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

Limestone (Calcium carbonate) 1317-65-3  
Graphite intercalation NJ TSRN# 51721300-5378P  
Glass oxide 65997-17-3  
Amorphous silica 7631-86-9  
Pentaerythritol 115-77-5  
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7  
Chlorothalonil 1897-45-6

OSHA Status: Considered : Irritant  
hazardous based on the  
following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 16 g/l  
exempt solvent)

VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Glass oxide 65997-17-3  
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

**U.S. State Regulations:**

MASS RTK Components : Limestone (Calcium carbonate) 1317-65-3  
Graphite intercalation NJ TSRN# 51721300-5378P  
Glass oxide 65997-17-3  
Amorphous silica 7631-86-9  
Pentaerythritol 115-77-5  
Melamine 108-78-1

Penn RTK Components : Water 7732-18-5  
Acrylic Polymer NJ TSRN# 51721300-5816P  
Limestone (Calcium carbonate) 1317-65-3  
White mineral oil 8042-47-5  
Amine phosphate NJ TSRN# 51721300-5352P  
Graphite intercalation NJ TSRN# 51721300-5378P  
Glass oxide 65997-17-3  
Amorphous silica 7631-86-9  
Pentaerythritol 115-77-5  
Propylene glycol 57-55-6  
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NJ RTK Components	:	Water	7732-18-5
		Acrylic Polymer	NJ TSRN# 51721300-5816P
		Limestone (Calcium carbonate)	1317-65-3
		White mineral oil	8042-47-5
		Amine phosphate	NJ TSRN# 51721300-5352P
		Glass oxide	65997-17-3
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

Chemicals known to the State of California to cause cancer birth defects and/or other reproductive harm:

65997-17-3	Glass oxide
14808-60-7	Crystalline Silica (Quartz)/ Silica Sand
1897-45-6	Chlorothalonil
50-00-0	Formaldehyde
7664-93-9	Sulfuric acid

## SECTION 16 - OTHER INFORMATION

### HMIS Rating :

Health	1
Flammability	0
Reactivity	0
PPE	

0 = Minimum  
1 = Slight  
2 = Moderate  
3 = Serious  
4 = Severe

### Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

### Legend

ACGIH - American Conference of Governmental Hygienists  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation  
DSL - Domestic Substance List  
EPA - Environmental Protection Agency  
HMIS - Hazardous Materials Information System  
IARC - International Agency for Research on Cancer  
MSHA - Mine Safety Health Administration  
NDSL - Non-Domestic Substance List  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
RTK - Right To Know  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
V - Volume  
VOC - Volatile Organic Compound  
WHMIS - Workplace Hazardous Materials Information System

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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.