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|  | <h1 style="text-align: center;">Material Safety Data Sheet</h1> |  | 24 Hour Emergency Phone Numbers: Medical/Poison Control: 1-800-327-3874 1-513-558-5111 Transportation/National Response Center: 1-800-535-5053 1-352-323-3500 |
| | | | <p>◆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.</p> |

IMPORTANT: Provide this information to employees, customers, and users of this product. Read this MSDS 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 MSDS are further described in Section 16.

Section 1 - Chemical Product / Company Information

This Material Safety Data Sheet is available in Canadian French and Hispanic American Spanish upon request.
 On peut demander cette fiche signalétique (MSDS) à la langue française-canadienne.
 Los Datos de Seguridad del Producto pueden obtenerse en Español si lo requiere.

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|----------------------------|--|-----------------------|-------------|
| Product Name: | DAP® Bonding Liquid & Floor Leveler Additive | Revision Date: | 08/21/2007 |
| Product UPC Number: | 07098350823, 070798350908 | Supersedes: | 12/19/2001 |
| Product Use/Class: | Concrete Additive | MSDS Number: | 00079706001 |
| Manufacturer: | DAP Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non-emergency matters) | | |

Section 2 - Hazards Identification

Emergency Overview: A opaque liquid product with a slight odor. **WARNING!** May cause eye, skin, nose, throat and respiratory tract irritation.

Refer to other MSDS sections for other detailed information.

Effects Of Overexposure - Eye Contact: May cause eye irritation.

Effects Of Overexposure - Skin Contact: May cause skin irritation.

Effects Of Overexposure - Inhalation: Harmful if inhaled. Vapors may be irritating to eyes, nose, throat, and lungs. Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

Effects Of Overexposure - Ingestion: Harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Repeated or prolonged exposure may cause irritation of eyes

and skin.

This product contains vinyl acetate which is classified as a class 2B carcinogen by IARC. Vinyl acetate was found to cause cancer in the respiratory tract of laboratory animals. There is no evidence that vinyl acetate causes cancer in humans. The IARC published a monograph on vinyl acetate (1995). In this monograph, IARC indicates "there is inadequate evidence in humans for carcinogenicity of vinyl acetate. There is limited evidence in experimental animals for the carcinogenicity of vinyl acetate." Normally, this lack of conclusive evidence would place a substance in the IARC 3 classification (not classified as a human carcinogen). However, because vinyl acetate is metabolized to acetaldehyde, which has an IARC 2B (possibly carcinogenic to humans) classification, it also has been listed under Category 2B.

Primary Route(s) Of Entry: Skin Contact, Inhalation, Ingestion, Eye Contact

Medical Conditions which May be Aggravated by Exposure: None known.

Carcinogenicity:

| CAS No. | Chemical Name | ACGIH | OSHA | IARC | NTP |
|----------|---------------|---|-------------|----------------------|-------------|
| 108-05-4 | Vinyl acetate | Confirmed animal carcinogen with unknown relevance to humans. | Not Listed. | Possible carcinogen. | Not Listed. |

Section 3 - Composition / Information On Ingredients

| Chemical Name | CASRN | Wt% |
|---------------|----------|-------|
| Vinyl acetate | 108-05-4 | <0.05 |

Section 4 - First Aid Measures

First Aid - Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

First Aid - Skin Contact: Wash off with soap and water.

First Aid - Inhalation: If inhaled, remove to fresh air. If breathing is difficult, leave the area to obtain fresh air. If continued breathing difficulty is experienced, get medical attention immediately.

First Aid - Ingestion: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately.

Note to Physician: None.

COMMENTS: Call Medical Emergency at 1-800-327-3874 if any irritation or complication arises from any of the above routes of entry.

Section 5 - Fire Fighting Measures

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

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.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wear proper protective equipment as specified in Section 8. Dike to prevent entering any sewer or waterway. If 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.

Section 7 - Handling And Storage

Handling: KEEP OUT OF REACH OF CHILDREN! Use in well ventilated area. Provide fresh air such that chemical odors cannot be detected during use and while drying. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Construction and repair activities can adversely affect indoor air quality. Consult with occupants or a representative (i.e. maintenance, building manager, industrial hygienist, or safety officer) to determine ways to minimize impact.

Storage: Avoid excessive heat and freezing. Do not store at temperatures above 120 degrees F. Keep containers closed when not in use. Store away from caustics and oxidizers.

Section 8 - Exposure Controls / Personal Protection

| Chemical Name | CASRN | ACGIH TWA | ACGIH STEL | ACGIH CEIL | OSHA TWA | OSHA STEL | OSHA CEIL | Skin |
|---------------|----------|-----------|------------|------------|----------|-----------|-----------|------|
| Vinyl acetate | 108-05-4 | 10 PPM | 15 PPM | N.E. | N.E. | N.E. | N.E. | No |

Exposure Notes:

Precautionary Measures: Please refer to other sections and subsections of this MSDS.

Engineering Controls: While mixing, provide sufficient mechanical ventilation (local or general exhaust) to maintain exposure below PEL and TLV. If dry-sanding, provide sufficient mechanical ventilation to maintain exposure below PEL and TLV.

Respiratory Protection: If concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a Self Contained Breathing Apparatus (SCBA) may be necessary. No personal respiratory protective equipment normally required.

Skin Protection: Wear gloves with repeated or prolonged use.

Eye Protection: Goggles or safety glasses with side shields.

Other protective equipment: Not required under normal use.

Hygienic Practices: Wash contaminated clothing before re-use.

Important: Listed Permissible Exposure Levels (PEL) are from the U.S. Dept. of Labor OSHA Final Rule Limits (CFR 29 1910.1000); these limits may vary between states.

Note: An employee's skin exposure to substances having a "YES" in the "SKIN" column in the table above shall be prevented or reduced to the extent necessary under the circumstances through the use of gloves, coveralls, goggles or other appropriate personal protective equipment, engineering controls or work practices.

Section 9 - Physical And Chemical Properties

Boiling Range: 210 - 220 F

Vapor Density:

Heavier Than Air

| | | | |
|----------------------------------|-----------------|----------------------------------|-----------------------------|
| Odor: | Slight | Odor Threshold: | Not Established |
| Color: | Opaque | Evaporation Rate: | Slower Than n-Butyl Acetate |
| Solubility in H2O: | Not Established | Specific Gravity: | 1.0 |
| Freeze Point: | Not Established | pH: | Between 7.0 and 12.0 |
| Vapor Pressure: | Not Established | Viscosity: | Not Established |
| Physical State: | Liquid | Flammability: | Non-Flammable |
| Flash Point, F: | >200 | Method: | (Seta Closed Cup) |
| Lower Explosive Limit, %: | Not Established | Upper Explosive Limit, %: | Not Established |

When reported, vapor pressure of this product has been calculated theoretically based on its constituent makeup and has not been determined experimentally.

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Excessive heat and freezing.

Incompatibility: Strong oxidizing agents. Strong bases.

Hazardous Decomposition Products: Normal decomposition products, i.e., COx, NOx.

Hazardous Polymerization: Hazardous polymerization will not occur under normal conditions.

Stability: Stable under normal conditions.

Section 11 - Toxicological Information

Product LD50: Not Established

Product LC50: Not Established

| CASRN | Chemical Name | LD50 | LC50 |
|----------|---------------|-------|--------------------|
| 108-05-4 | Vinyl acetate | ----- | Rat:11400 mg/m3/4H |

Significant Data with Possible Relevance to Humans: None.

Section 12 - Ecological Information

Ecological Information: Ecological injuries are not known or expected under normal use.

Section 13 - Disposal Information

Disposal Information: Do not re-use empty containers. Liquids cannot be disposed of in a landfill. Dispose of material in accordance with all federal, state and local 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.

EPA Waste Code if Discarded (40 CFR Section 261): This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulation, 40 CFR Section 261.

Section 14 - Transportation Information

DOT Proper Shipping Not Regulated

Packing Group: N.A.

Name:**DOT Technical Name:** N.A.**Hazard Subclass:** N.A.**DOT Hazard Class:** N.A.**DOT UN/NA Number:** N.A.

Note: The shipping information provided is applicable for domestic ground transport only. Different categorization may apply if shipped via other modes of transportation and/or to non-domestic destinations.

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| Section 15 - Regulatory Information |
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CERCLA - SARA Hazard Category:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard, Chronic Health Hazard

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:

None

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:

None

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product:

| Chemical Name | CAS Number |
|-----------------------|-------------|
| Water | 7732-18-5 |
| Non-Hazardous Polymer | Proprietary |

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%:

| Chemical Name | CAS Number |
|-----------------------|-------------|
| Water | 7732-18-5 |
| Non-Hazardous Polymer | Proprietary |

California Proposition 65:

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16 - Other Information

HMIS Ratings:

Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: B

Volatile Organic Compounds (VOC), less water less exempts: g/L: 1.4 lb/gal: 0.0 wt:wt%: 0.0

Volatile Organic Compounds (VOC), less water less exempts, less LVP-VOCs: wt:wt%: 0.00

REASON FOR REVISION: Periodic Update

Legend:

N.A. – Not Applicable

ACGIH – American Conference of Governmental Industrial Hygienists

N.E. – Not Established

SARA – Superfund Amendments and Reauthorization Act of 1986

N.D. – Not Determined

NJRTK – New Jersey Right-to-Know Law

VOC – Volatile Organic Compound

OSHA – Occupational Safety and Health Administration

PEL – Permissible Exposure Limit

HMIS – Hazardous Materials Identification System

TLV – Threshold Limit Value

NTP – National Toxicology Program

CEIL – Ceiling Exposure Limit

STEL – Short Term Exposure Limit

LD50 – Lethal Dose 50

LC50 – Lethal Concentration 50

F – Degree Fahrenheit

MSDS – Material Safety Data Sheet

C – Degree Celsius

CASRN – The Chemical Abstracts Service Registry Number

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.

<End of MSDS>