

**M&R Sales and Service, Inc.**  
**Material Safety Data Sheet**  
**I –Tack Water Base Pallet tack**

Created 12, August 2008

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**1. PRODUCT AND COMPANY IDENTIFICATION**

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Company Identification

MANUFACTURER  
H.B. Fuller Company  
Research and Development Laboratory  
1200 Willow Lake Boulevard  
P.O. Box 54683  
St. Paul, MN 55164

DISTRIBUTOR  
M&R Sales and Service  
1 N 372 Main Street  
Glen Ellyn, IL 60137  
630-858-6101 ext: 7140

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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<u>Chemical / CAS Number</u>	<u>Percent</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Residual vinyl acetate monomer (108-05-4) LD50: 2920 mg/kg (oral, rat) LC50: 2828 ppm/4h (rat) Vapor pressure, in mm Hg @ 20 C: 92 OSHA, ACGIH STEL: 20 ppm	<0.5%	10 ppm	10 ppm

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS). Unlisted ingredients are not "hazardous" per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

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**3. HAZARDS IDENTIFICATION**

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No specific warnings for normal use conditions.  
Possible cancer hazard. Contains a material which may cause cancer.

POTENTIAL HEALTH EFFECTS

Eyes: Eye contact with liquid product may cause irritation.

Skin: Prolonged or repeated contact with liquid product may cause irritation.

INHALATION

Exposure to vapors in poorly ventilated areas may cause irritation of the nose, throat and respiratory tract.

INGESTION

Not an anticipated route of exposure. Harmful if swallowed.

CHRONIC

Overexposure to vinyl acetate is not expected to occur during normal handling and use of this product. Vinyl acetate has been shown to cause irritation and cancer in inhalation studies with laboratory animals. Test levels of 60 ppm caused an increase in tumors in the respiratory tract of

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the test animals. No tumors were observed in the animals exposed at 50 ppm or lower. There is no evidence that vinyl acetate has caused cancer in humans.

**REGULATED CARCINOGEN STATUS**

Unless noted below, this product does not contain regulated levels of NTP, \_ARC\_\_ACGIH or OSHA listed carcinogens.

Vinyl acetate is listed as a potential carcinogen by IARC.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

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**4. FIRST AID MEASURES**

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**EYE CONTACT**

Flush immediately with water for 15 minutes. Consult a physician if irritation persists.

**SKIN CONTACT**

Wash affected area with soap and water. Launder contaminated clothing before reuse.

**INHALATION**

Remove subject to fresh air

**INGESTION**

If person can swallow, give one glass of water or milk.  
Do not induce vomiting. Get immediate medical attention.  
Never give anything by mouth to an unconscious person.

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**5. FIRE FIGHTING MEASURES**

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**FLASH POINT/METHOD**  
Non-flammable

**UPPER EXPLOSIVE LIMIT/LOWER EXPLOSIVE LIMIT**  
Not applicable

**AUTOIGNITION TEMPERATURE**  
Not applicable

**APPROPRIATE EXTINGUISHERS**

Non-flammable in liquid state; use water spray, foam, dry chemical or carbon dioxide on dried product.

**SPECIAL FIRE FIGHTING PROCEDURES**

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

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UNUSUAL FIRE AND EXPLOSION HAZARDS

There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

HAZARDOUS COMBUSTION PRODUCT

Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.

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**6. ACCIDENTAL RELEASE MEASURES**

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SPILL OR LEAK PROCEDURES

Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems.

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**7. HANDLING AND STORAGE**

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HANDLING (PERSONNEL)

Wear appropriate protective equipment when working with this product.

STORAGE

Avoid temperature extremes in storage.

Consult the Technical Data Sheet for specific storage instructions.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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EYE PROTECTION

Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing or dusting is likely. Have eye washes available where eye contact can occur.

SKIN PROTECTION

Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

RESPIRATORY PROTECTION

Not normally required. Use NIOSH/OSHA approved respirator if conditions warrant.

VENTILATION

General dilution ventilation

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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PHYSICAL DATA

Physical State	: Liquid
Color	: White
Odor	: Mild, sweet
Odor Threshold	: Not established
Weight per Gallon	: 8.4 lbs.
Specific Gravity	: 1.01
% Solids by Weight	: 64.5
pH	: 4.5
Boiling Range	: Greater than 200 F (93 C)
Freezing/Melting Point	: Not established
Vapor Pressure	: Not established
Vapor Density	: Not established
Evaporation Rate	: Not established
Water/Oil partition Coefficient	: Not established
VOC	: 7 g VOC/liter of material (VOC theoretically determined using EPA Publication 450/3-84-019.)
VOC, less water	: 15 g VOC/liter of material, less water and exempt solvents (VOC theoretically determined using EPA Publication 450/3-84-019)

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**10. STABILITY AND REACTIVITY DATA**

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STABILITY

Stable

INCOMPATIBILITY

Not established

HAZARDOUS DECOMPOSITION

Not established

HAZARDOUS POLYMERIZATION

Will not occur

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**11. TOXICOLOGICAL INFORMATION**

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No data available

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**12. ECOLOGICAL INFORMATION**

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No data available

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**13. DISPOSAL CONSIDERATIONS**

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To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities 1 or more restrictive requirements.

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**14. TRANSPORTATION INFORMATION**

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DOT (United States Department of Transportation)

DOT Proper Shipping Name : Not regulated

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

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**15. REGULATORY INFORMATION**

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FEDERAL

Toxic Substances Controls Act (TSCA)

Section 8 (b) – Inventory Status

This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

SARA TITLE III

Section 313: This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
Vinyl acetate	108-C5-4	< ) .5%

STATE REGULATIONS

California Proposition 65: Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

This product does not contain known levels of any chemical known to the State of California to cause cancer or cause reproductive damage.

WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

D2A

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**16. ADDITIONAL INFORMATION**

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In storage, monomer vapors will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

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HMIS Rating

HEALTH -1

FLAMMABILITY-0

REACTIVITY-0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the M&R Sales and Service, Inc., from its suppliers, and because the M&R Sales and Service, Inc., has no control over the conditions of handling and use, the M&R Sales and Service Inc., makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the M&R Sales and Service, Inc., assumes no responsibility for use of reliance thereon. It is the responsibility of the user of M&R Sales and Service, Inc., products to comply with all applicable federal, state and local laws and regulations.