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MATERIAL SAFETY DATA SHEET

PRODUCT # HL-2198 X

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION
H.B. Fuller Company
1200 Willow Lake Boulevard
Vadnais Heights, MN 55110

DISTRIBUTOR INFORMATION
American Chemical, Inc.
2201 North 2nd Street
Minneapolis, MN 55411
(612) 522-4707

Medical Emergency Phone Number (24 hour): 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

Product Number: HL2198X
Product Identifier: 8002989PM
Product Description: Hot Melt Adhesive

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

CHEMICAL NAME	CAS #	PERCENT
Mineral Oil, white	8042-47-5	30 – 50

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Contact with molten product will cause thermal burns. Vapors/fumes may be irritating at application temperatures.

HMIS Rating:
See Section 8:

Health-0 Flammability-1 Reactivity-0
Exposure controls/personal protection for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS BY ROUTE ENTRY

Eye: No irritation hazard in normal industrial use. Exposure to hot material may cause thermal burns.
Skin: Skin contact at room temperature is not irritating. Contact with product at elevated temperatures can result in thermal burns.
Inhalation: Can cause minor respiratory irritation. Vapors may have an offensive odor that may cause headaches, nausea, and vomiting.
Ingestion: Ingestion is not an anticipated route of exposure. No hazard in normal industrial use.

Long-Term (Chronic) Health Effects
Target Organs(s):
Regulated Carcinogen Status:

No organs known to be damaged from exposure to this product.
Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

Existing Health Conditions Affected by Exposure:

No medical condition affected by exposure.

SECTION 4 – FIRST AID MEASURES

If In Eyes:

None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. For hot product, immediately flush eyes with plenty of water for at least 20 minutes. Get immediate medical attention.

If On Skin: Wash with soap and water. For hot material, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean gauze and do not attempt to remove the material yourself. Get prompt medical attention. Medical personnel: coat with mineral oil to soften material for removal.

If Vapors Inhaled: Remove to fresh air. Call a physician if symptoms persist. No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

If Swallowed: Do not induce vomiting. Seek Medical attention if symptoms develop. Provide medical care provider with this MSDS.

SECTION 5 – FIRST FIGHTING MEASURES

Flash Point: >204 C (400 F) Cleveland Closed Cup

Auto Ignition Temperature: Not established

Lower Explosive Limit (% in air): Not established

Upper Explosive Limit (% in air): Not established

Extinguishing Media: A solid stream of water may scatter molten product. Use water spray, foam, dry chemical or carbon dioxide.

Unusual Fire and Explosion Hazards: Material will burn in a fire.

Special Fire Fighting Instructions: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Special Protection: No adverse health effects expected from the cleanup of spilled material. Follow personal protective equipment recommendations found in Section 8 of this MSDS

Cleanup: Allow molten material to solidify before disposal.

Transport Emergency Phone Number (CHEMTREC) 1-800-424-9300

SECTION 7 – HANDLING AND STORAGE

Handling: No special handling instructions due to toxicity. Avoid breathing vapors/fumes of heated product. Prevent contact with molten product

Storage: Store in a cool, dry place

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses when handling this product.

Skin Protection: Not normally required. Wear chemically resistant gloves to prevent prolonged or repeated contact. When material is heated, wear thermally insulating gloves to protect against thermal burns.

Gloves: Not normally required. Use nitrile gloves if conditions warrant.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134)

Ventilation: Use local exhaust ventilation or other engineering controls to minimize exposures. At the application temperature, use of local exhaust over the premelting reservoir is encouraged.

Exposure Limits:

Chemical Name	ACGI Exposure Limits	OSHA PEL
Mineral oil, white	Not established	5mg/m3 TWA (as mist)

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Color: Light Amber

Odor: Neutral

Odor Threshold: Not established

Specific Gravity: 0.98

Solids (% by weight): Not applicable

pH: Not established

Flash Point: > 205 C (400 F) Cleveland Closed Cup
 Boiling Point (deg. C): Not established
 Freezing/Melting Point (deg. C): Not established
 Vapor Pressure (mm Hg): Not established
 Vapor Density: Not established
 Evaporation Rate: Not established
 Octanol/Water Coefficient: Not established
 VOC, Weight Percent: 0.00

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under normal conditions
 Chemical Incompatibility: Not established
 Hazardous Polymerization: Will not occur.
 Hazardous Decomposition products: Carbon monoxide, carbon dioxide

SECTION 11 – TOXICOLOGICAL INFORMATION

Chemical Name	LD50/LC50
Mineral oil, white	Not established
Waxes, paraffin and hydrocarbon	Not established
Wax, polyethylene	Not established

Toxicology Summary: No additional health information available.

SECTION 12 – ECOLOGICAL INFORMATION

Overview: No ecological information available

SECTION 13 – DISPOSAL CONSIDERATIONS

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. Dispose of in an approved landfill. Consult your state, local or provincial authorities and your local waste vendor for more restrictive requirement.

SECTION 14 – TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information

DOT: Not Regulated

IATA: Not Regulated

SECTION 15 – REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
 Canadian CEPA DSL: The components of this product are included on the DSL or are exempt from the DSL requirements.
 European EINECS: As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.
 Australia AICS: This product is in compliance with the Australian Inventory of Chemical Substances requirements.
 Japan ENCS: This product is in compliance with the Japanese Existing and New Chemical Substances requirements.
 Korean TCCL: This product is in compliance with the Korean Existing Chemicals List requirements.
 Philippines: This product is in compliance with the Philippine Inventory of Chemical and Chemical Substances requirements.

If you need more information about the inventory status of this product call 651-236-5858

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us to request an export review.

Federal Reporting

EPA SARA Title III Section 313

Unless listed below, this product does not contain 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 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

STATE REPORTING - This MSDS is not prepared for distribution in California.

SECTION 16 – ADDITIONAL INFORMATION

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)

08-17-2010