



SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union standards

1. PRODUCT IDENTIFICATION

1.1 TRADE NAME (AS LABELED):	B-2000 Hot Melt Glue
PRODUCT NUMBERS:	B-2000
CHEMICAL NAME:	Hot Melt Glue
1.2 PRODUCT USE:	Hot Melt Adhesive
1.3 MANUFACTURER'S NAME:	FPC Corporation
ADDRESS:	355 Hollow Hill Drive Wauconda, IL 60084
BUSINESS PHONE:	847-487-4583
FAX NUMBER:	847-487-0174
1.4 DATE OF PREPARATION:	April 19, 2018

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a clear to opaque white to light amber solid, with no odor.

Health Hazards: Contact with molten material will cause thermal burns. This product is not expected to cause adverse health effects when used as intended. Prolonged or extended contact with product may cause skin irritation. Direct contact with eyes may cause irritation. Ingestion of this product is not a likely route of entry. May cause gastrointestinal irritation if swallowed.

Flammability Hazards: This product is combustible above flash point >450°F (>232°C) if exposed to ignition source.

Reactivity Hazards: None known.

Environmental Hazards: This material is not expected to be an environmental hazard

Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

EUROPEAN and (GHS) Hazard Symbols

Non-Regulated Material

Complies with WHMIS 2015



Signal Word: **Warning!**

2.1 GHS LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to OSHA HCS 2012 / 29 CFR 1910. 1200 and Regulation (EC) No 1272/2008, EU No 2015/830 (Amended 1907/2006) and EU 2016/1688

EC# 607-457-0 is not listed in Annex VI

EC# 265-116-8 is not listed in Annex VI

EC# 608-001-2 is not listed in Annex VI

EC# 265-155-0 Annex VI Index# 649-465-00-7 **Note:** EC# 265-155-0 is Severely Hydrotreated Distillate with less than 3 % DMSO extract as measured by IP 346. Not considered carcinogen.

Substances not listed either individually or in group entries must be self classified

COMPONENT(S) DETERMINING HAZARD:

All Ingredients

2.2 LABEL ELEMENTS:

GHS Hazard Classification(s):

Acute Oral Toxicity Category 5

Acute Dermal Toxicity Category 5

Eye Irritant Category 2B

STOT SE Category 3 (Respiratory Irritation)



SAFETY DATA SHEET

Hazard Statement(s):

H303: May be harmful if swallowed
 H313: May be harmful in contact with skin
 H320: Causes eye irritation
 H335: May cause respiratory irritation

Prevention Statement(s):

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.

Response Statement(s):

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P304+P340: IN INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312: Call a POISON CENTER/doctor if you feel unwell.

Storage Statement(s):

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

Disposal Statement(s):

P501: Dispose of contents/containers in accordance with local/regional/national/international regulations.

2.3 OTHER HAZARDS:

Mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII.

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

ACUTE: Contact with molten material will cause thermal burns. This product is not expected to cause adverse health effects when used as intended. Prolonged or extended contact with product may cause skin irritation. Direct contact with eyes may cause irritation. Ingestion of this product is not a likely route of entry. May cause gastrointestinal irritation if swallowed. Not expected to cause respiratory irritation.

CHRONIC: None known

TARGET ORGANS: ACUTE: Eye, Skin

CHRONIC: None known

3. COMPOSITION and INFORMATION ON INGREDIENTS

Ingredients:	CAS #	EINECS #	ICSC #	WT %	GHS Classification
Ethylene Vinyl Copolymer	24937-78-8	607-457-0	Not Listed	35 - 50%	ACUTE TOX CAT 5 (ORAL / DERMAL), EYE IRRIT CAT 2B, STOT SE CAT 3 (RESP IRRIT)
Hydrocarbon resin	64742-16-1	265-116-8	Not Listed	30 – 40%	EYE IRRIT CAT 2B, STOT SE CAT 3 (RESP IRRIT)
1,3 Pentadiene, Polmer with 2-Methyl-2-Butene	26813-14-9	608-001-2	Not Listed	15 – 25%	EYE IRRIT CAT 2B, STOT SE CAT 3 (RESP IRRIT)
Heavy Hydrotreated Naphthenic Distillates	64742-52-5	265-155-0	Not Listed	1 – 5%	EYE IRRIT CAT 2B, STOT SE CAT 3 (RESP IRRIT)

4. FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

SKIN CONTACT: Exposure to non-molten product is not expected to cause adverse effects. Wash hands after handling. If hot molten product contacts skin, cool under running water. Do not remove solidified product. The contaminated individual should seek medical attention.

EYE CONTACT: Exposure to non-molten product is not expected to cause adverse effects. If hot product enters the eyes, flush with water for at least 15 minutes. Contaminated individual should seek medical attention immediately.



SAFETY DATA SHEET

INHALATION: If breathing becomes difficult remove contaminated individual to fresh air. Seek medical attention if breathing difficulties continues.

INGESTION: Routine use of this product is not expected to cause any situation which could lead to ingestion. If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

4.2 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

4.3 RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

5.1 FIRE EXTINGUISHING MATERIALS: Use fire extinguishing materials appropriate for surrounding fire including water spray (for cooling), dry extinguishing media, carbon dioxide, foam. A solid stream of water may scatter molten product.

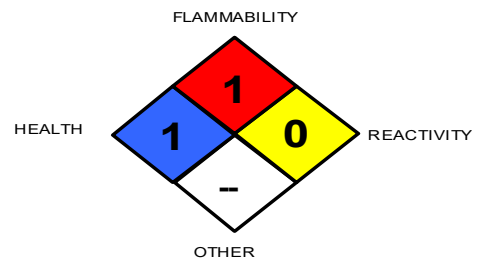
5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS: This product has no unusual fire or explosion hazards. Do not use water on molten adhesive to avoid splattering and spreading the fire.

Explosion Sensitivity to Mechanical Impact: Not Sensitive

Explosion Sensitivity to Static Discharge: Not Sensitive

5.3 SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING



6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

6.2 ENVIRONMENTAL PRECAUTIONS: Not applicable.

6.3 SPILL AND LEAK RESPONSE: Personnel should be trained for spill response operations. Wear appropriate protective equipment such as rubber gloves, safety glasses, and appropriate body protection. Stop discharge if safe to do so.

Hazard Scale: 0 = Minimal 1 = Slight
2 = Moderate
3 = Serious 4 = Severe

PELLET OR CHIP SPILL: Collect and contain for salvage or disposal.

MOLTEN ADHESIVE SPILL: Placard "Hot Material", allow to cool and remove. Collect and contain for salvage or disposal. Stop material from contaminating soil or from entering sewers or water streams.

DISPOSAL: Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). Dispose of recovered material and report spill per regulatory requirements. It is recommended you contact local authorities to determine if there may be other local reporting requirements.

7. HANDLING and STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Use in a well-ventilated location. Remove contaminated clothing immediately.



SAFETY DATA SHEET

7.2 STORAGE AND HANDLING PRACTICES: All employees who handle this material should be trained to handle it safely. Avoid contact with eyes, skin and clothing. Keep the container tightly closed and dry.

EMPTY CONTAINER PRECAUTION: Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for humans or animal consumption, or where skin contact can occur.

7.3 SPECIFIC USES: See section 1.2.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

8.1 EXPOSURE LIMITS/GUIDELINES:

Component Name	CAS#	ACGIH-TLV's	OSHA PEL's	NIOSH- TLV's	Other
Ethylene Vinyl Copolymer	24937-78-8	Not Listed	Not Listed	Not Listed	None
Hydrocarbon resin	64742-16-1	Not Listed	Not Listed	Not Listed	None
1,3 Pentadiene, Polmer with 2-Methyl-2-Butene	26813-14-9	Not Listed	Not Listed	Not Listed	None
Heavy Hydrotreated Naphthenic Distillates	64742-52-5	5 mg/m Mist	5 mg/m Mist	5 mg/m Mist	5 mg/m Mist

8.2 VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: When thermal processing fumes are generated and ventilation is not sufficient to effectively remove them appropriate approved respiratory protection must be provided. Heated product will emit vapors and exposed workers may need to use a NIOSH approved, organic vapor canister type respirator. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

EYE PROTECTION: Wear chemical goggles, face shield if handling molten material. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Wear thermal insulating gloves to protect from thermal burns. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Work clothing sufficient to prevent skin contact. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

9. PHYSICAL and CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE, ODOR and COLOR: This product is a clear to opaque white to light amber solid with no odor.

SOFTENING POINT: 176° - 212°F (80° - 100°C)

pH: NA

EVAPORATION RATE (n-BuAc=1): Not Applicable



SAFETY DATA SHEET

SPECIFIC GRAVITY @ 20°C: 0.939 (water=1)

SOLUBILITY IN WATER: Non soluble

VAPOR PRESSURE, mm Hg @ 20°C (68°F): NA

ODOR THRESHOLD: No odor

FLASH POINT: >450°F (>232°C)

AUTOIGNITION TEMPERATURE: Not Established

FLAMMABLE LIMITS (in air by volume, %): Lower NA Upper NA

9.2 OTHER INFORMATION:

No additional information available at this time.

10. STABILITY and REACTIVITY

10.1 REACTIVITY: No data available.

10.2 STABILITY: Stable.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

10.4 CONDITIONS TO AVOID: Avoid excessive overheating. Do not add water or other volatile material to molten adhesive.

10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: The product may react to strong acids and oxidizing agents.

10.6 DECOMPOSITION PRODUCTS: Thermal degradation produces carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

No LD50 Data Available for this product

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Based on available data, the classification criteria are not met
Serious eye damage / irritation	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

SUSPECTED CANCER AGENT: The components of this product are not listed by agencies tracking the carcinogenic potential of chemical compounds as follows:

Carcinogeny

NTP Regulated No
IARC Regulated No
OSHA Regulated No

IRITANCY OF PRODUCT: This product can cause skin and eye irritation.

SENSITIZATION TO THE PRODUCT: These products are not known to cause human skin or respiratory sensitization.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: The components of this product are not reported to produce mutagenic effects in humans.

Embryotoxicity: The components of this product are not reported to produce embryotoxic effects in humans.

Teratogenicity: The components of this product are not reported to produce teratogenicity effects in humans.

Reproductive Toxicity: The components of this product are not reported to produce reproductive effects in humans.



SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.1 TOXICITY: No specific data available on this product.

12.2 PERSISTENCE AND DEGRADABILITY: These products have not been tested for persistence or biodegradability. The components may slowly degrade in the environment and form a variety of organic and inorganic materials; however, no specific information is known.

12.3 BIOACCUMULATIVE POTENTIAL: These products have not been tested for bio-accumulation potential.

12.4 MOBILITY IN SOIL: These products have not been tested for mobility in soil.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT: No specific data available on this product.

12.6 OTHER ADVERSE EFFECTS: No known significant effects or critical hazards.

12.7 WATER ENDANGERMENT CLASS: No specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

13.2 EU WASTE CODE: Not determined

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101. Non-Regulated

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: These products are not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): These products are not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: These products are not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): These products are not classified by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION

15.1 UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of these products are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for any component of these products. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None.

U.S. TSCA INVENTORY STATUS: The components of these products are listed in the TSCA Inventory.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does not contain any component above the 0.1% level which is listed as a California Proposition 65 chemical.

15.2 CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Classified per WHMIS 2015.



SAFETY DATA SHEET

15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

SEE SECTION 2 FOR DETAILS

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): This product does not contain any chemical on the Candidate List.

EU RoHS 2011/65/EU: This product does not exceed the maximum concentration values (MCVs) in EU Directive 2002/95/EC (Restriction of the Use of Certain Hazardous Substances (RoHS) in Electrical and Electronic Equipment), as amended, and/or the MCVs set under EU Directive 2011/65/EU (RoHS recast), as stated in Annex II to that directive. This which means that each of the homogenous materials within this product does not exceed the following MCVs: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; and (b) 0.01% (by weight) for cadmium.

15.4 AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: The components of this product are listed on the AICS or are exempt.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

15.5 JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

15.6 INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed or exempt

Australian Inventory of Chemical Substances (AICS): Listed or exempt

Korean Existing Chemicals List (ECL): Listed or exempt

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed or exempt

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed or exempt

Swiss Giftlist of Toxic Substances: Listed or exempt

U.S. TSCA: Listed or exempt

16. OTHER INFORMATION

PREPARED BY: Chris Eigbrett
DATE OF PRINTING: April 19, 2018

MSDS to GHS Compliance
www.msdstoghs.com

Revision Log: 09/18/2017 - Added clarification regarding HCS 2012 compliance and updated template for EU compliance.
04/19/2018 - Updated Section 3 to clarify ingredient disclosure.

Although the information set forth herein is presented in good faith and believed to be correct as of the date of issuance, it has been furnished by our suppliers; consequently, FPC Corporation makes no representations or warranties, express or implied, with respect to information herein presented. The information set forth herein is supplied upon the condition that the persons receiving same will make their own determination as to suitability for their purposes prior to use and relates only to the specific product described and not to such product in combination with any other product. In no event will International Cellulose Corporation be responsible for damages of any nature resulting from the use of or reliance upon this information.