



***** MATERIAL SAFETY DATA SHEET *****

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER **ADHESIVE-SIDE-GLUE**
 PRODUCT NAME **PERFORMANCE PLUS PRESSURE SENSITIVE SIDE GLUE**

Manufacturer Muller Martini Corp
 Book Binding Division
 P.O. Box 18020, 40 Rabro Drive
 Hauppauge, NY 11788
 USA

EMERGENCY PHONES:
 MEDICAL: 866-359-5657 (Health & Safety Call Center-24 hours)
 TRANSPORT: CHEMTREC: 800-424-9300 (24 hours)
 CHEMTREC International: 703-527-3887 (call collect)
 Corporate Emergency Phone: 631-582-4343 (DWH)
 MSDS Requests/Customer Service: See phone numbers in Section 16

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY	Hot Melt Adhesive	
COMPONENT	CAS NUMBER	CONCENTRATION (%)
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	10 - 30
Paraffin waxes and hydrocarbon waxes	8002-74-2	1 - 5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
 NON-HAZARDOUS AT ROOM TEMPERATURES. HAZARDOUS ONLY WHEN HEATED.
 Translucent Solid Slight odor

EYE As supplied: irritant as a foreign body. As used: severe thermal hazard.
 SKIN CONTACT Exposure to hot material may cause thermal burns.
 INHALATION Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
 INGESTION Low oral toxicity.

4. FIRST-AID MEASURES

EYE If hot: flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As supplied: remove as foreign body. Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart.
 SKIN CONTACT For hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting and get prompt medical attention.
 INHALATION Remove to fresh air. Get medical attention if irritation persists.
 INGESTION Treat symptomatically and supportively. Get medical attention.

5. FIREFIGHTING MEASURES

AUTOIGNITION	Not available
FLASH POINT	> 500 °F (Cleveland Open Cup)
EXTINGUISHING MEDIA	CO2; Dry Chemical
SPECIAL FIREFIGHTING PROCEDURES	No special procedures are required.
FIRE & EXPLOSION HAZARDS	Non-combustible.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide, carbon dioxide, unknown hydrocarbons.
LOWER EXPLOSION LIMIT (%)	Not applicable
UPPER EXPLOSION LIMIT (%)	Not applicable
FLAMMABILITY HAZARD	CLASS 1 = Slight.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES	Allow to cool and solidify. Scrape up and collect in suitable containers for disposal.
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For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE	0 - 100 °F
HANDLING/STORAGE	Store in a cool, dry area. Precaution: this product should only be heated to recommended temperatures. Hazards of pyrolysis products emitted are unknown and may be hazardous to health. Provide adequate ventilation to ensure that the defined occupational exposure limit is not exceeded.

SENSITIVITY TO STATIC ELECTRICITY	No
SENSITIVITY TO MECHANICAL IMPACT	No

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS

Distillates, petroleum, hydrotreated heavy naphthenic	ACGIH-STEL: 10 mg/m3 ACGIH-TWA: 5 mg/m3	OSHA-PEL: 5 mg/m3
Paraffin waxes and hydrocarbon Waxes	ACGIH-TWA: 2 mg/m3	

VENTILATION REQUIREMENTS	General exhaust to avoid accumulation of vapors near ceilings. Local exhaust over glue chamber.
EYE PROTECTION REQUIREMENTS	Safety glasses, goggles or face shield to protect against splashing.
GLOVE REQUIREMENTS	Thermally resistant gloves should be worn.
CLOTHING REQUIREMENTS	To avoid burns, use long-sleeved, long-legged clothing.
CHANGE/REMOVAL OF CLOTHING	Remove contaminated clothing and launder before reuse.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATOR REQUIREMENTS	No respiratory protection is recommended while working with this material. However, if operating conditions create high vapor or mist concentration, use of an approved respirator is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

PURE SUBSTANCE OR MIXTURE	Mixture
PHYSICAL FORM	Solid
COLOR	Translucent
ODOR	Slight
ODOR THRESHOLD	Not available
PH AS IS	Not applicable
pH IN (1%) SOLUTION	Not applicable
OXIDIZING PROPERTIES	Not applicable
BOILING POINT	> 500 °F
MELTING/FREEZING POINT	Approximately °F
SOLUBILITY IN WATER	Insoluble
PARTITION COEFFICIENT (n-octanol/water)	Not applicable
SPECIFIC GRAVITY (WATER=1)	0.98
BULK DENSITY	8.2 lb/gal
EVAPORATION RATE	(Water = 1)
VAPOR PRESSURE (mmHg)	Nil @ 20°C
VAPOR DENSITY (air = 1)	Nil
VOLATILES	Nil
VOLATILE ORGANIC COMPOUNDS	Nil
AUTOIGNITION	Not available
FLASH POINT	> 500 °F (Cleveland Open Cup)

10. STABILITY AND REACTIVITY

STABILITY	Stable
REACTIVITY HAZARD	CLASS 0 = Stable
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, unknown hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY Skin Contact; Eye Contact; Inhalation

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE	Although this product has not been tested for chronic effects it is judged as having a low order of toxicity based on component information. Use of good industrial hygiene practices is recommended.
TARGET ORGANS	Eyes; Skin; Respiratory system
CARCINOGEN	No.

COMPONENT	ORAL TOXICITY	NOTES ON ORAL TOXICITY
Distillates, petroleum, hydrotreated heavy naphthenic tract.	Oral LD50: Rat > 5 g/kg	Ingestion may cause irritation of the gastrointestinal tract.
Paraffin waxes and hydrocarbon waxes		No hazard in normal industrial use.

COMPONENT	DERMAL TOXICITY	NOTES ON DERMAL TOXICITY
Distillates, petroleum, hydrotreated heavy naphthenic	Dermal LD50: Rabbit > 2g/kg	Repeated or prolonged skin contact may result in mild irritation.
Paraffin waxes and hydrocarbon waxes		Non-irritant.
COMPONENT	INHALATION TOXICITY	NOTES ON INHALATION TOXICITY
Distillates, petroleum, hydrotreated heavy naphthenic		Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
Paraffin waxes and hydrocarbon waxes		Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
COMPONENT		NOTES ON EYE IRRITATION
Distillates, petroleum, hydrotreated heavy naphthenic		May cause eye irritation.
Paraffin waxes and hydrocarbon waxes and use.		No evidence of irritant effects from normal handling

12. ECOLOGICAL INFORMATION

POTENTIAL TO BIOACCUMULATE	Unknown.
AQUATIC TOXICITY	None Established

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS	Disposal should be in accordance with local, state or national legislation.
EMPTY CONTAINER WARNINGS	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION

This section provided for general information only.
 FOR NON-BULK SHIPMENTS.

FOR MORE COMPLETE TRANSPORTATION REGULATORY INFORMATION PLEASE REFER TO THE SHIPPING DOCUMENTS ACCOMPANYING THE SHIPMENT OF THIS PRODUCT.

DOT CLASSIFICATION Not applicable.

The information provided herein may not include the impact of additional regulatory requirements (eg, for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

15. REGULATORY INFORMATION

USA TSCA This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

SARA/TITLE III	CAS NUMBER	CONCENTRATION (%)
Contains no substances at or above the reporting threshold under Section 313.		

16. OTHER INFORMATION

MSDS DATE	28-July-2005
FOR INFORMATION CONTACT:	Muller Martini Corp Book Binding Division Product Information: Customer Relations: 1-888-2-MULLER

ADDITIONAL INFORMATION: The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.