

# MATERIAL SAFETY DATA SHEET

Date Printed: 02/10/14

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: MS-773  
PRODUCT NAME: MATTE LACQUER

PLAID ENTERPRISES, INC.  
3225 WESTECH DRIVE  
NORCROSS, GA 30092

PHONE: 678-291-8100      CHEMTREC 24-HOUR PHONE: 800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT/EXPOSURE LIMITS	CAS#	% BY WT.
1. ETHYLBENZENE VAPOR PRESSURE: 19.000 MMHG @ 68F LEL 1.20 EXPOSURE LIMIT: ACGIH TLV-TWA    100 ppm ACGIH TLV-STEL    125 ppm OSHA PEL-TWA      100 ppm OSHA PEL-STEL     125 ppm	100-41-4	2.6370
2. N-BUTANE VAPOR PRESSURE: 879.100 MMHG @ 68F LEL 1.80 EXPOSURE LIMIT: ACGIH TLV-TWA    800 ppm ACGIH TLV-STEL    NO INFO OSHA PEL-TWA      800 ppm	106-97-8	13.0
3. PROPANE VAPOR PRESSURE: 5585.200 MMHG @ 68F LEL 2.20 EXPOSURE LIMIT: ACCGIH TLV-TWA    1000 ppm ACGIH TLV-STEL     NO INFO	74-98-6	17.0
4. XYLENE VAPOR PRESSURE: 6.600 MMHG @ 68F LEL 1.00 EXPOSURE LIMIT: ACCGIH TLV-TWA    100 ppm ACGIH TLV-STEL     150 ppm OSHA PEL-TWA      100 ppm OSHA PEL-STEL     1000 ppm	1330-20-7	11.0
5. ACETONE	67-64-1	40.0

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VAPOR PRESSURE: 231.000 MMHG @ 68F LEL 2.60

EXPOSURE LIMIT:

ACCGIH TLV-TWA 750 ppm

ACGIH TLV-STEL 1000 ppm

OSHA PEL-TWA 750 ppm

OSHA PEL-STEL 1000 ppm

## 6. GLYCOL ETHER PM ACETATE

108-65-6

6.0

VAPOR PRESSURE: 3.7 MMHG @ 68F LEL 1.30

EXPOSURE LIMIT:

ACCGIH TLV-TWA NOT ESTABLISHED

ACGIH TLV-STEL NOT ESTABLISHED

## 3. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYE: May cause severe eye irritation.

SKIN: May cause skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis. Aspiration of material into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.

INHALATION: Exposure to high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation. Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness, coma and death.

Excessive inhalation of the vapors can cause nasal and respiratory irritation. Breathing high concentrations of vapor may be irritating to skin, eyes, throat or lungs.

Liquid or vapor may be irritating to skin, eyes, throat or lungs. Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.

CHRONIC (CANCER) INFORMATION: Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals: Kidney damage, Eye damage, Liver damage, Lung damage, Spleen damage, Brain damage, Anemia.

Chronic overexposure to a component or components in this material has been found to cause the following effects in humans: Liver damage, Cardiac abnormalities, Liver abnormalities, Kidney damage, Blood damage.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Product contains benzene which is listed by IARC, NTP, and OSHA as a chemical which there is considered sufficient evidence of carcinogenicity in humans.

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Product contains toluene which may be harmful to the fetus based on animal studies. Repeated exposure to toluene has been associated with high frequency hearing loss in laboratory animals. The human consequences of this finding is uncertain. In February 2000 the International Agency for Research on Cancer (IARC) classified ethylbenzene as possibly carcinogenic to humans (Group 2B) on the basis of sufficient evidence for carcinogenicity in experimental animals but inadequate evidence for in humans.

TERATOLOGY (BIRTH DEFECT) INFORMATION: No Data

REPRODUCTION INFORMATION: No Data

## 4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water, flush with large quantities of water for 15 minutes. Get medical attention, if irritation persists.

SKIN: Wash thoroughly with soap and water and seek medical attention. Remove contaminated clothing, Launder contaminated clothing before reuse.

INGESTION: Since this product may contain materials which can cause lung damage if aspirated into the lungs, the decision whether to induce vomiting or not must be made by a physician after careful consideration of all materials ingested.

INHALATION: For inhalation overexposure move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention.

NOTE TO PHYSICIANS:

## 5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: Less than – 25F EXPLOSION LEVEL: Low- 1.0F High- 13.1F

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: N/A

UPPER FLAMMABLE LIMIT: N/A

AUTOIGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Not determined.

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**EXTINGUISHING MEDIA:** Use dry chemical, Carbon Dioxide or Chemical foam.

## **FIREFIGHTING INSTRUCTIONS:**

Keep containers tightly closed. Isolate from heat, sparks, and open flame. Closed containers may explode when exposed to extreme heat.

Contents under pressure. Do not use or store near sources of heat, sparks, or open flame. Keep away from any source of heat such as sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate. Do not crush or place in a garbage compactor. Do not store above 120 degrees F. Aerosol containers may explode when exposed to extreme heat. Product vapors are heavier than air and may travel a long distance to a source of ignition and flash back.

Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used.

Water spray should not be used except to keep down vapors or cool closed containers to prevent build-up of pressure. If water is used, fog nozzles are preferred.

## **6. ACCIDENTAL RELEASE MEASURES**

Remove all sources of ignition. Avoid heat, sparks, flames and anything which could cause fire.

Ventilate area of spill and adjacent low-lying areas. Avoid breathing solvent vapors. Remove with inert absorbent materials and non-sparking tools.

## **7. HANDLING AND STORAGE**

**HANDLING:** Wash hands thoroughly after handling.

**STORAGE:** Store in a cool dry area with ventilation suitable for storing materials shown in section 2.

Keep away from heat, sparks and flame.

Store in a cool place away from direct sunlight or any source of ignition. Do not store at temperatures above 120 degrees F.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

**RESPIRATORY PROTECTION:** If workplace exposure limits are exceeded for any component (see section 2 for hazardous components and limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended.

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**SKIN PROTECTION:** Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact. Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

**EYE PROTECTION:** Chemical goggles with side shields or face shields recommended if contact with eyes likely.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** Lower – 1.0 F Higher- 302.0 F

**MELTING POINT:** N/A

**VAPOR PRESSURE:** 5585.20 mm Hg @ 20 C

**VAPOR DENSITY:** 3.7

**SOLUBILITY IN WATER:** Insoluble

**SPECIFIC GRAVITY:** .725

**PH:** N/A

**ODOR:** N/A

**APPEARANCE:** N/A

**COATING VOC:** 4.484 lb/gal

**MATERIAL VOC:** Not determined

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY (CONDITIONS TO AVOID):** Avoid contact with heat, sparks, and open flame.

Product may explode if heated. Keep cool, avoid exposure to heat.

**INCOMPATIBILITY:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce carbon dioxide, carbon monoxide, and unidentifiable organic materials.

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization will occur under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

No specific information is available. Please refer to Section 3 for available information on potential health effects.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No specific information is available for this product.

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CHEMICAL FATE INFORMATION: No specific information is available for this product.

## 13. DISPOSAL CONSIDERATIONS

Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

## 14. TRANSPORT INFORMATION:

Ground shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less: CONSUMER COMMODITY, ORM-D

Ground shipment of liquid paint in containers more than 1 quart: PAINT, FLAMMABLE LIQUID, UN 1263, CLASS 3, GROUP II  
(Regulatory sources: DOT 49CFR 172.101)

Air shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less: CONSUMER COMMODITY, ID 8000, CLASS 9 MISCELLANEOUS LABEL. (Regulatory sources: ATAI Quantity Exemptions- Table 2.8.4, 2.7.A, 2.7.5, Packaging Instruction: 910) or AEROSOLS, FLAMMABLE, UN1950, CLASS 2.1 LABEL (Regulatory sources: ATAI Quantity Exemptions-Table 2.8.1. 2.8.4, Packaging Instruction: Y203)

## 15. REGULATORY INFORMATION:

### U.S. FEDERAL REGULATIONS:

TOXIC SUBSTANCE CONTROL ACT: The chemical substances in this product are listed on the TSCA Section 8 inventory.

OSHA: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA: SARA HAZARD CATEGORY:

### SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

ETHYLBENZENE	CAS# 100-41-4	PCT BY WT: 2.614
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XYLENE	CAS# 1330-20-7	PCT BY WT: 11.143
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## INTERNATIONAL REGULATIONS:

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All components of this product are on the Domestic Substances List (DSL), and acceptable for use under the provisions of CEPA.

EINECS: All the components of this product are on the European Inventory of Existing Commercial Chemical Substances.

## FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT: The chemical substances in this product are listed on the TSCA Section 8 inventory.

## STATE REGULATIONS:

### CALIFORNIA:

Warning! This product contains a chemical or chemicals known to the State of California to cause cancer.

Warning! This product contains a chemical or chemicals known to the State of California to cause birth defects or other reproductive harm.

### NEW JERSEY RIGHT-TO-KNOW

No non-hazardous ingredients are among the top five ingredients.

### PENNSYLVANIA RIGHT-TO-KNOW

No non-hazardous ingredients are present greater than 3%

## 16. OTHER INFORMATION

NAME OF PREPARER: Dewey Wright

REVISION DATE: 05/17/05

HMIS CODES: H F R P  
2 4 0 G

HMIS HAZARD RATINGS: H=HEALTH, F=FIRE, R=REACTIVITY, P=PERSONAL

SCALE: 0=MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

PERSONAL PROTECTION: See Section 8, Exposure Controls/Personal Protection for recommended handling of material as supplied; check with supervisor for your actual use condition.

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HMIS is a registered trademark of the National Paint and Coatings Association.

## **LIST OF ACRONYMS:**

ACGIH: American Conference of Government Industrial Hygienists

IARC: International Agency for Research on Cancer

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PPM: Parts Per Million

SARA: Superfund Amendment Reauthorization Act

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

Please note that this MSDS applies to industrial handling of this material. Consumers should read product label. The information and recommendations set forth herein are believed to be accurate. The data is derived from information provided to Plaid Enterprises, Inc. from its raw material suppliers. Plaid Enterprises, Inc. makes no guarantee or warranty, expressed or implied, regarding the accuracy, reliability, or completeness of the data or the results to be obtained from the use thereof. It is the responsibility of the user of the product to comply with all applicable federal, state, and local laws and regulations.



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