MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT IDENTIFICATION:
PRODUCT CODE . . . : MS-772
PRODUCT NAME . . . : Sanding Sealer
PRODUCT CLASS . . . : Aerosol Coating

MSDS PREPARATION DATE : 10/22/2001

PLAID ENTERPRISES, INC.
3225 Westech Drive
Norcross, GA 30092

EMERGENCY TELEPHONE NUMBERS:
24 HOURS A DAY - CALL : 800-841-4197
8 AM TO 4:30 PM EASTERN TIME : 678-291-8100

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1 N-BUTYL ACETATE
CAS#  123-86-4
N-BUTYL ACETATE
PCT BY WT: 6.0000  LEL 1.40
EXPOSURE LIMIT:
ACGIH TLV-TWA 150 ppm
ACGIH TLV-STEL 200 ppm
OSHA PEL-TWA 150 ppm
COMPANY N.E.

2 N-BUTANE
CAS#  106-97-8
N-BUTANE
PCT BY WT: 13.0000  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
COMPANY N.E.

3 NITROCELLULOSE
CAS#  9004-70-0
NITROCELLULOSE
PCT BY WT: 5.0000  LEL 100.00
EXPOSURE LIMIT:
ACGIH TLV-TWA NOT EST.
ACGIH TLV-STEL NOT EST.

4 PROPANE
CAS#  74-98-6
PROPANE
PCT BY WT: 17.0000  VAPOR PRESSURE: 5585.200 MMHG @ 68F LEL 2.20
EXPOSURE LIMIT:
ACGIH TLV-TWA 1000 ppm
ACGIH TLV-STEL  NO INFORMATION

5 ZINC STEARATE  
CAS# 557-05-1  
ZINC STEARATE  
PCT BY WT: 4.0000  LEL 100.00  
EXPOSURE LIMIT:  
ACGIH TLV-TWA  10 mg/m³  
ACGIH TLV-STEL  TOTAL DUST

6 ACETONE  
CAS# 67-64-1  
ACETONE  
PCT BY WT: 24.0000  VAPOR PRESSURE: 231.000 MMHG @ 68F  LEL 2.60  
EXPOSURE LIMIT:  
ACGIH TLV-TWA  750 ppm 
ACGIH TLV-STEL  1000 ppm  
OSHA PEL-TWA  750 ppm  
OSHA PEL-STEL  1000 ppm  
COMPANY  N.E.

7 2-BUTOXYETHANOL  
CAS# 111-76-2  
2-BUTOXYETHANOL  
PCT BY WT: 4.0000  VAPOR PRESSURE: 380 MMHG @ 68F  LEL 1.10  
EXPOSURE LIMIT:  
ACGIH TLV-TWA  25 ppm  
ACGIH TLV-STEL  NO INFO  
OSHA PEL-TWA  25 ppm  
COMPANY  N.E.

8 METHYL ETHYL KETONE  
CAS# 78-93-3  
METHYL ETHYL KETONE  
PCT BY WT: 22.0000  VAPOR PRESSURE: 85.000 MMHG @ 68F  LEL 1.80  
EXPOSURE LIMIT:  
ACGIH TLV-TWA  200 ppm  
ACGIH TLV-STEL  300 ppm  
OSHA PEL-TWA  200 ppm  
COMPANY  N.E.

9 TOLUENE  
CAS# 108-88-3  
TOLUENE  
PCT BY WT: 2.0000  VAPOR PRESSURE: 38.000 MMHG @ 68F  LEL 1.40  
EXPOSURE LIMIT:  
ACGIH TLV-TWA  50 ppm  
ACGIH TLV-STEL  NO INFO  
OSHA PEL-TWA  50 ppm  
COMPANY  N.E.

10 ISOPROPYL ALCOHOL  
CAS# 67-63-0  
ISOPROPANOL  
PCT BY WT: 2.0000  LEL 2.00  
EXPOSURE LIMIT:  

ACGIH TLV-TWA  400 ppm
ACGIH TLV-STE L  500 ppm
OSHA PEL-TWA   400 ppm
COMPANY        N.E.

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This product contains no reported carcinogens or suspected carcinogens.

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SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
Harmful if swallowed.
Harmful if inhaled.
Causes eye irritation.
Causes skin irritation.
Vapors irritating to eyes and respiratory tract.
Extremely flammable liquid and vapor.
Vapors may cause flash fire or explosion.
Extremely flammable aerosol.
Contents under pressure.
POTENTIAL HEALTH EFFECTS:
EYE:
May cause severe corneal injury if liquid comes in contact with the eyes.
SKIN:
May cause skin irritation. Repeated and prolonged contact with the skin may cause allergic dermatitis.
Product contains a component which can be absorbed through the skin. Excessive exposure may cause hemolysis (red blood cell damage) which can impair the blood's ability to transport oxygen. Material may aggravate an existing dermatitis.
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 or death. Breathing of mist can cause irritation of nasal and respiratory passages. Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.
INGESTION:
Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis.
CHRONIC EFFECTS:
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
Blood damage
Lung damage
Liver damage
Spleen damage
Brain damage
Reproductive system damage
Chronic overexposure to a component or components is this product has been suggested as a cause of the following effects in humans:
Liver damage
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
Repeated breathing or skin contact of methyl ethyl ketone may increase the potency of neurotoxins such as hexane if exposures occur at the same time. 2-Butoxyethanol causes harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain. 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.

SECTION 4 - FIRST AID MEASURES

EYE CONTACT:
Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN CONTACT:
Wash thoroughly with soap and water and seek medical attention. Remove contaminated clothing.

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

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.

NOTE TO PHYSICIAN:

SECTION 5 - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES OF THE PRODUCT:
Flashpoint ...............: Less Than -25 ðF
Explosion Level ...........: Low - 1.1
High - 12.8
Flammability Limits .........: Lower - N/A
Higher - N/A

EXTINGUISHING MEDIA:
Use Dry Chemical, Carbon Dioxide or Chemical Foam.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:
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.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CLEAN-UP AND CONTAINMENT:
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. Use water spray to disperse vapors. Minimize breathing gases, vapor, flames or decomposition products. Use self-contained breathing apparatus with full face piece operated in positive pressure mode as needed.

SECTION 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.

SECTION 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 exposure limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended.

SKIN PROTECTION:
Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact.

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

OTHER PROTECTIVE EQUIPMENT:
Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

HYGIENIC PRACTICES:
Wash hands before eating or smoking. Smoke in designated areas only.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure ............ : 5585.20 mm Hg @ 20 C
Vapor Density ............. : N/A
Boiling Range ............. : Lower - 1.0 °F
                        : Higher - 999.0 °F
Specific Gravity .......... : .724
Formula Weight per Volume ...... : 6.0288 LB/GL
VOC (Calculated, LB/GAL) ....... : 5.105
VOC (Calculated, GM/L) ........ : 611.73
Percent Volatile by Weight ....... : 89.9412
Evaporation Rate .......... : 7.700 (n-Butyl Acetate = 1)
Viscosity ................. : N/A

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:
Avoid contact with heat, sparks, and open flame.
Product may explode if heated. Keep cool, avoid exposure to heat.

INCOMPATIBILITIES:
Strong oxidizing agents.

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

POLYMERIZATION:
No hazardous polymerization will occur under normal conditions.

STABILITY:
The product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION
No specific information is available. Please refer to Section 3 for available information on potential health effects.

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SECTION 12 - ECOLOGICAL INFORMATION

No specific ecological information is available for this product.

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SECTION 13 - DISPOSAL CONSIDERATIONS

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

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SECTION 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, UN1263, 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)

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SECTION 15 - REGULATORY INFORMATION

SARA 313 INFORMATION:
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:

ZINC STEARATE
CAS# 557-05-1 PCT BY WT: 4.2010

METHYL ETHYL KETONE
CAS# 78-93-3 PCT BY WT: 21.8920

TOLUENE
CAS# 108-88-3 PCT BY WT: 1.5400

ISOPROPANOL
CAS# 67-63-0 PCT BY WT: 2.3110

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

STATE REGULATIONS:
This product contains chemical(s) which are listed on California’s proposition 65 list. If the product is to be sold or used in California the following warning statement must appear on the label: 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%

INTERNATIONAL REGULATIONS:
CANADA: The chemical substances in this product are listed on the Canadian Domestic Substances List.

SECTION 16 - OTHER INFORMATION

The information contained on this MSDS is believed to be reliable and accurate. Due to the changing nature of government information, it is impossible to guarantee the accuracy of the information contained herein. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. This information should not be regarded as legal advice or regulation. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. For questions relating to specific aspects of the requirements and regulations consult the proper regulatory agency.

HMIS RATINGS:
HEALTH: FLAMMABILITY: REACTIVITY: PERSONAL PROTECTION: