

MATERIAL SAFETY DATA SHEET

FREEDOM H.S.

DATE: 12/31/03

SUPERSEDES: 12/21/00

HAZARD RATINGS (0-4)

FIRE 0

REACTIVITY 0

TOXICITY 1

SPECIAL

SUPPLIER: MIDLAND PRODUCTS
18600 GRAPHICS COURT TINLEY PARK, IL 60477
(708) 444-8200

TRADE NAME: FREEDOM H.S.
PRODUCT TYPE: AQUEOUS ACRYLIC FLOOR POLISH
CHEMICAL FORMULA: MIXTURE
CHEMICAL NAME: N/A

COMPONENT LIST - SECTION I

<u>COMPONENT</u>	<u>CAS</u>		<u>TLV</u>	<u>TLV</u>
	<u>REG#</u>	<u>%</u>	<u>OSHA</u>	<u>ACGIH</u>
ACRYLIC POLYMER EMULSION	NON HAZ	32 - 36	N/E	N/E
ALKALI SOLUBLE RESIN	NON HAZ	3 - 6	N/E	N/E
DIETHYLENE GLYCOL METHYL ETHER*	111-77-3	5 - 7	N/E	N/E
TRIBUTOXY ETHYL PHOSPHATE	78-51-3	1 - 2	N/E	N/E
EMULSIFIED HYDROCARBON WAXES	9002-88-4	6 - 8	N/E	N/E
TMP MONOISOBUTYRATE	25265-77-4	1 - 2	N/E	N/E

*This item is subject to reporting requirements under SARA III, Section 313.

PHYSICAL PROPERTIES - SECTION II

APPEARANCE: OPAQUE WHITE LIQUID WITH MILD ODOR
pH: 9 - 9.5
VISCOSITY: APPROX. 6
FREEZING/THAW STABILITY: PASSES 3 CYCLES
BOILING POINT: 212° F, WATER
VAPOR PRESSURE: >17 mm Hg @ 68° F
VAPOR DENSITY: <1
SOLUBILITY IN WATER: DILUTABLE
VOLATILE (% WT): 80
SPECIFIC GRAVITY: 1.04
EVAPORATION RATE: <1

FIRE AND EXPLOSION HAZARD - SECTION III

FLASH POINT: NONE
LOWER EXPLOSION LIMIT: N/A UPPER EXPLOSION LIMIT: N/A
AUTO IGNITION TEMP: N/A
EXTINGUISHING MEDIUM: FOAM, CO₂, DRY CHEMICAL, WATER SPRAY
SPECIAL FIRE FIGHTING PROCEDURES:

FOR FIRES INVOLVING THIS MATERIAL, DO NOT ENTER ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MATERIAL MAY SPATTER WHEN TEMPERATURE EXCEEDS BOILING POINT. CONTAINERS MAY BURST IN HEAT OF FIRE

HEALTH HAZARDS - SECTION IV

THRESHOLD LIMIT VALUES: NONE ESTABLISHED
PRIMARY ROUTES OF EXPOSURE: EYE, SKIN
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS: NONE
EFFECTS OF OVEREXPOSURE:

DIRECT LIQUID CONTACT WITH EYES MAY CAUSE MILD IRRITATION. PROLONGED EXPOSURE TO VAPORS IN POORLY VENTILATED AREAS MAY CAUSE IRRITATION OF MUCOUS MEMBRANES OF RESPIRATORY TRACT.

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EMERGENCY AND FIRST AID PROCEDURES:

IF IN EYES: IMMEDIATELY WASH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

IF ON SKIN: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.

IF INHALED: REMOVE TO FRESH AIR. CONSULT A PHYSICIAN IF RESPIRATORY DISTRESS IS NOT RELIEVED BY FRESH AIR.

IF SWALLOWED: GIVE 2 GLASSES OF WATER TO DRINK. NEVER GIVE WATER TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING.

REACTIVITY - SECTION V

STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION ON BURNING MAY PRODUCE CO, CO₂.

INCOMPATIBILITY (MATERIALS TO AVOID): SALT SOLUTIONS OR ACIDS MAY DESTABILIZE EMULSION.

SPILLS OR LEAK PROCEDURE - SECTION VI

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

HALT SPILL AT SOURCE IF POSSIBLE. COLLECT SPILLS WITH ABSORBANT MATERIAL. REMOVE CONTAMINATED ABSORBANT TO SUITABLE CONTAINERS. HOLD FOR PROPER DISPOSAL. FLUSH SPILL AREA WITH WATER TO REMOVE ANY RESIDUE. NOTIFY LOCAL, STATE, AND FEDERAL OFFICIALS AS REQUIRED. FLOORS MAY BE SLIPPERY; CARE SHOULD BE EXERCISED TO AVOID FALLS.

WASTE DISPOSAL METHODS:

INCINERATE AT APPROVED HAZARDOUS WASTE FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SPECIAL PROTECTION - SECTION VII

VENTILATION TYPE: LOCAL

RESPIRATORY PROTECTION: NONE REQUIRED IF ADEQUATE VENTILATION IS MAINTAINED; OTHERWISE OSHA/NIOSH APPROVED ORGANIC VAPOR FULL FACE RESPIRATOR IS ADVISED.

PROTECTIVE GLOVES: RUBBER OR PVC FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION: APPROVED SAFETY GLASSES WITH SIDE SHIELDS IF SPLASHING LIKELY.

OTHER PROTECTIVE EQUIPMENT: EYE WASHES AND SAFETY SHOWERS SHOULD BE AVAILABLE.

STORAGE AND HANDLING - SECTION VIII

STORE BETWEEN 40 AND 90° F. DO NOT FREEZE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.

SHIPPING - SECTION IX

PROPER SHIPPING NAME: BUFFING AND POLISHING COMPOUND, NOI

MISCELLANEOUS - SECTION X

VOC: < 7%

ABBREVIATIONS:	N/A: NOT APPLICABLE	UNK: UNKNOWN
	N/D: NOT DETERMINED	< : LESS THAN
	N/E: NOT ESTABLISHED	> : GREATER THAN

PREPARED BY: JOHN ROTH