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MATERIAL SAFETY DATA SHEET

SECTION I - MANUFACTURERS INFORMATION

PRODUCT NAME: GREEN STRIPING ENAMEL
DATE OF MSDS: 04/29/86
EMERGENCY TELEPHONE: 816-391-6000
INFORMATION TELEPHONE: 816-391-6003

DISTRIBUTED BY:
ATTN: SAFETY AND HEALTH OFFICER
HILLYARD CHEMICAL CO
P.O. BOX 909
ST JOSEPH
MO 64501

CUSTOMER NUMBER: 023337
DATE PRINTED: 04/29/86

SECTION II - HAZARDOUS INGREDIENTS

SOLVENT NAPHTHA, PETROLEUM, MEDIUM ALIPHATIC
CAS #: 64742-39-7 PERCENT: 45.000 VAPOR PRESSURE: 1.7
EXPOSURE LIMIT:
ACGIH TLV/TWA: NONE ESTABLISHED
OSHA PEL: NONE ESTABLISHED
OTHER: MFG RECOMMENDS TLV/TWA=100PPM, TLV/STEL=200PPM

INC CHROMATE

CAS #: 37300-23-5 PERCENT: 10.000 VAPOR PRESSURE: N/A
EXPOSURE LIMIT:
ACGIH TLV/TWA: .05 MG/CU-M. (AS CHROMIUM)
OSHA PEL: 0.1 MG/CU-M. CEILING (AS CHROMIUM)
CAS #: NOT ASSIGNED PERCENT: LESS THAN 5 VAPOR PRESSURE: 2.0
EXPOSURE LIMIT:
OTHER: MFG. SUGGESTS: TLV/TWA 100 PPM, TLV/STEL 125 P

SECTION III - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE TO PRODUCT. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT: LIQUID AND VAPOR CAN BE IRRITATING TO EYES. SYMPTOMS ARE TEARING, REDNESS AND DISCOMFORT.
SKIN CONTACT: CAN CAUSE IRRITATION. CAN CAUSE DEFATTING OF SKIN WHICH CAN LEAD TO DERMATITIS.

INHALATION:

ANESTHETIC. OVEREXPOSURE CAN CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. CONTINUED OVEREXPOSURE CAN LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS IF SEVERE OVEREXPOSURE IS CONTINUED: HEADACHE, DIZZINESS, NAUSEA AND LOSS OF CONSCIOUSNESS.

REPORTS HAVE ASSOCIATED REPEATED OR PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CHOKING, TRAITING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

INGESTION: SWALLOWING CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

TOXICOLOGICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:
PRE-EXISTING EYE, SKIN AND RESPIRATORY DISORDERS.

4E1 UNICY AND FIRST AID PROCEDURES:

IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION; FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CONTAMINATED

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PRODUCT NAME: GREEN STRIPING ENAMEL

THOROUGHLY CLEAN CONTAMINATED SHOES. IF AFFECTED BY INHALATION OF VAPORS OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED, GET MEDICAL ATTENTION.

ER HEALTH HAZARDS:

ZINC CHROMATE IS CONSIDERED BY NTP AND IARC TO BE A CANCER HAZARD.

SECTION IV - PHYSICAL DATA

LIQUID PCINT, DEG-F. 312 VAPOR DENSITY IS HEAVIER THAN AIR
GHT PER GALLON: 8.08 EVAPORATION RATE IS SLOWER THAN ETHER
CENT VOLATILE BY VOLUME: 60.491

SECTION V - FIRE AND EXPLOSION HAZARD DATA

HAZARD CLASSIFICATION: OSHA 29 CFR-1910.106 PARTS 11-18

SH POINT SETA CLOSED CUP, DEG F: 102

HAZARD CLASS: COMBUSTIBLE LIQUID

FLASHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.

SUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED AND ISOLATE FROM HEAT. ELECTRICAL EQUIPMENT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

1. FIRE FIGHTING PROCEDURES:

USE FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT

SECTION VI - REACTIVITY DATA

ABILITY: STABLE HAZARDOUS POLYMERIZATION: NONE UNDER NORMAL CONDITIONS.
DITIONS TO AVOID: ELEVATED TEMPERATURES.

COMPATIBILITY (MATERIALS TO AVOID):

STRONG ACIDS AND STRONG OXIDIZING AGENTS. IF THIS PRODUCT IS NOT WATER REDUCIBLE, AVOID WATER.

AROUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN PRODUCE FUMES CONTAINING ORGANIC ACIDS, CARBON DIOXIDE AND CARBON MONOXIDE.

SECTION VII - SPILL OR LEAK PROCEDURES

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

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

TE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY.

SECTION VIII - SPECIAL PROTECTION INFORMATION

LABORATORY PROTECTION:

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PRODUCT CODE IDENTIFY: 801G319 7C0 PRODUCT NAME: GREEN STRIPING ENAMEL
 OLD BREATHING VAPORS OR SPRAY MIST. WEAR AN APPROPRIATE, PROPERLY FITTED
 SPIRATOR (NIOSH/MSHA APPROVED) DURING APPLICATION AND OTHER USE OF THIS
 PRODUCT. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE.
 OBSERVE OSHA STANDARD 29CFR 1910.134.

VENTILATION:
 PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND
 PATTERN TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW THE LOWER EXPLOSION
 AND BELOW CURRENT APPLICABLE LIMITS. IF EXPOSED TO VAPORS, OPEN WINDOWS AND
 DOORS OR USE OTHER MEANS TO ENSURE FRESH AIR DELIVERY DURING APPLICATION AND
 DRYING. IF YOU EXPERIENCE EYE WATERING, HEADACHES OR DIZZINESS, INCREASE
 FRESH AIR OR WEAR RESPIRATORY EQUIPMENT (NIOSH/MSHA TC23C OR EQUIVALENT), OR
 LEAVE THE AREA.

PROTECTIVE GLOVES: USE SOLVENT IMPERMEABLE GLOVES TO AVOID CONTACT WITH PRODUCT
 PROTECTION:
 AVOID CONTACT WITH EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE
 SHIELDS. CHEMICAL GOGGLES, FACE SHIELDS.
 WEAR PROTECTIVE EQUIPMENT:
 AVOID CONTACT WITH SKIN. USE PROTECTIVE CLOTHING. PREVENT CONTACT WITH
 CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING, INCLUDING SHOES, BEFORE
 REUSE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
 DO NOT STORE ABOVE 120 DEG. F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED
 TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP
 CONTAINERS CLOSED WHEN NOT IN USE AND UPRIGHT TO PREVENT LEAKAGE.

PRECAUTIONS:
 NOT TAKE INTERNALLY. WASH HANDS AFTER USING AND BEFORE SMOKING OR EATING.
 UNLIDED CONTAINERS MAY RETAIN HAZARDOUS RESIDUE AND EXPLOSIVE VAPORS. KEEP
 AWAY FROM HEAT, SPARKS AND FLAMES. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR
 EMPLOYED CONTAINERS. FOLLOW ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET
 UNTIL CONTAINER IS THOROUGHLY CLEANED OR DESTROYED. IF THIS PRODUCT IS
 BLENDED WITH OTHER COMPONENTS SUCH AS THINNERS, CONVERTER, COLORANTS, CATA-
 LYSTS PRIOR TO USE, READ ALL WARNING LABELS. ANY MIXTURE OF COMPONENTS WILL
 HAVE HAZARDS OF ALL COMPONENTS. FOLLOW ALL PRECAUTIONS. IF SPRAYING THIS
 MATERIAL, KEEP SPRAY BOOTHS CLEAN. AVOID BUILD-UP OF SPRAY DUST OR OVERSPRAY
 IN BOOTHS OR DUCTS.

KEEP OUT OF REACH OF CHILDREN

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