MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DESIGN MASTER ENAMEL

PRODUCT CODE: ENAMEL-1

HMIS CODES: H F R F

2 4 0

MANUFACTURER'S NAME: HYDROSOL INC.

ADDRESS: 435 FRONTAGE ROAD, BURR RIDGE, IL 60521

EMERGENCY PHONE: 312-598-5448
DATE PREPARED : 08-19-87

INFORMATION PHONE: 312-598-5448

NAME OF PREPARER : ESP

REASON REVISED : UPDATE

====== SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER		TIONAL EXPOSURE LIM	ITS VAPOR PRI		WEIGHT PERCENT
PETROLEUM DISTILLATE, VM&P NAPHTHA	64742-89-8		300	10.0	68F	10
TOLUENE	108-88-3	100	100	26.0	77F	10
TYLENE	1330-20-7	100	100	25.0	77F	5
2-BUTANONE, METHYL ETHYL KETONE	78-93-3	200	200	70.0	68F	< 5.01
2-HEXANONE, METHYL ISOBUTYL KETONE	108-10-1	100	100	15.0	68F	₹ 5.01
PETROLEUM DISTILLATE, MINERAL SPIRITS	64742-88-7	500	NOT ESTAB	4.5	68F	₹ 5.0%
ACETONE	67-64-1	1000	750	181.0	68F	25
BUTANE	106-97-8	1000	NE	1540.0	68F	10
PROPANE	74-98-6	1000	ASPHYXIANT	6350.0	68F	20

BOILING POINT: NOT AFFLICABLE

VAPOR DENSITY: N/A

V.O.C.: N/A SOLUBILITY IN WATER: SLIGHT

APPEARANCE AND ODOR: AEROSOL PRODUCT

SPECIFIC GRAVITY (H20=1): 0.7 EVAPORATION RATE: N/A

========= SECTION IV - FIRE AND EXPLOSION HAZARD DATA ===========

FLASH POINT: N/A

METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.9% UPPER: 13.0%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

WATER SPRAY MAY BE INEFFECTIVE. WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EX-POSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES PREFERRED. WEAR BOSGLES AND SELF-CONTAINED BREATHING AFFARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY EXPLODE FROM INTERNAL PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT AND DISCHARGE CONTENTS. VAPOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE READILY AFPARENT. OBTAIN MEDICAL ATTENTION.

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SECTION V - REACTIVITY DATA -----

STABILITY: STABLE CONDITIONS TO AVOID

APPLICATION TO HOT SURFACES. STORAGE ABOVE 120 DEG F. EXPOSURE TO OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID) STRONG DIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
MAY PRODUCE FUNES WHEN HEATED TO DECOMPOSITION. FUNES MAY CONTAIN CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION, CENTRAL MERVOUS SYSTEM DEPRESSION
OR HEART ARRYTHMIA.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE SKIN: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE MODERATE IRRITATION.

EYES: LIGUID OR VAPOR CAN CAUSE MODERATE TO SEVERE IRRITATION.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE NOT EASILY ABSORBED. SOLVENT ACTION CAN DRY AND DEFAT THE SKIN CAUSING THE SKIN TO CRACK, LEADING TO DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
NOT A LIKELY ROUTE OF EXPOSURE. IF SHALLOWED, DO NOT INDUCE VOHITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS. SEVERE OVEREXPOSURE MAY CAUSE DAMAGE TO THE BLOOD. VOUS SYSTEM AND OTHER INTERNAL ORGAN DAMASE.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE ACUTE AND CHRONIC LIVER AND KIDNEY DISEASE, ANEMIA, CORONARY DISEASE OR RHYTHM DISORDERS OF THE HEART.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE TO FRESH AIR. ADMINISTER DXYSEN IF NEEDED. APPLY ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. GET MEDICAL ATTENTION.

SKIN: WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO OTHER SECTIONS OF THIS MSDS FOR HAZARD CAUTION INFORMATION.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AND USE IN COOL, DRY, WELL-VENTILATED AREAS. DO NOT STORE ABOVE 120 DEG F. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. DO NOT STICK PIN, NAIL OR ANY OTHER SHARP OBJECT INTO OPENING ON TOP OF CAN. DO NOT SPRAY IN EYES. DO NOT TAKE INTERNALLY. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION.

OTHER PRECAUTIONS

SMALL PRESSURIZED CONTAINERS OF FLAMMABLE PRODUCTS MAY BE STORED IN AREAS SUITABLE FOR ORDINARY COMBUSTIBLES WITH RESPECT TO CONSTRUCTION, DRAINAGE, CONTROL OF IGNITION SOURCES, AND VENTILATION EXCEPT THAT THEY SHOULD NOT BE STORED IN BASEMENTS.

SECTION VIII - CONTROL MEASURES -----

RESPIRATORY PROTECTION

NONE UNDER NORMAL USE. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OR HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

VENTILATION

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. SENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEP PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

PROTECTIVE GLOVES

NONE UNDER NORMAL USE. SOLVENT RESISTANT REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION

NONE UNDER NORMAL USE; HOWEVER, USE OF SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NONE UNDER NORMAL USE; HOWEVER, USE OF SOLVENT RESISTANT APRONS OR OTHER CLOTHING IS RECOMMENDED.

WORK/HYGIENIC PRACTICES

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

DISCLAIMER

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