### MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DESIGN MASTER COLOR TOOL SPRAY HMIS CODES: H

PRODUCT CODE: FLORAL-2

MANUFACTURER'S NAME: HYDROSOL INC.

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NAME OF PREPARER : ESF

REASON REVISED : UPDATE

DATE PREPARED : 08-18-87

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

HAZARDOUS COMPONENTS	CAS NUMBER		TIONAL EXPOSURE LIMITS ACGIN TLV	VAPOR PRESSURE	
ISOBUTYL ACETATE E-PROPANOL, ISCFROPYL ALCOHOL E-BUTDXYETHANOL, SLYCOL ETHER EB ACETONE PROPANE	110-19-0 67-63-0 111-76-2 67-64-1 74-98-6	200 400 50 1000	150 400 25 750 Asphyxiant	13.0 68F 33.0 68F 0.6 68F 181.0 68F 6350.0 68F	< 5.0%

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ==========

DILING POINT: NOT APPLICABLE

'APOR DENSITY: N/A

'.D.C.: N/A

SPECIFIC GRAVITY (H20=1):

0.8

EVAPORATION RATE: N/A

COLUBILITY IN WATER: SLIGHT TO MODERATE PPEARANCE AND ODOR: AEROSOL PRODUCT

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

LASH POINT: N/A

METHOD USED: N/A

LAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1% UPPER:

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

# PECIAL FIREFIGHTING PROCEDURES

TER SPRAY MAY DE INEFFECTIVE. WATER MAY DE USED TO COOL CONTAINERS TO FREVENT PRESSURE BUILD-UP AND EXPLOSION WHEN EX-SED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES PREFERRED. WEAR GC36LES AND SELF-CONTAINED BREATHING APPARATUS.

# NUSUAL FIRE AND EXPLOSION HAZARDS

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

========================= SECTION V - REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID

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

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG EXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY PRODUCE FUKES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE AND OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

================== SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE RESPIRATORY IRRITATION, DIZZINESS, HEADACHE, NAUSEA, FATIGUE, DROWSINESS, IMPAIRED CO-ORDINATION, EYE WATERING.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN: CONTACT MAY DRY THE SKIN: PROLONGED CONTACT MAY CAUSE IRRITION.

EYES: LIQUID OR VAPOR CAN IRRITATE.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

CAN BE ABSORBED THROUGH SKIN. SOLVENT ACTION CAN DRY AND DEFAT THE SKIN CAUSING SKIN TO CRACK, LEADING TO DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

NOT A LIKELY ROUTE OF EXPOSURE. IF SWALLOWED, SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: EYE, SKIN, AND RESPIRATORY SYSTEM IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS. SEVERE OVEREXPOSURE MAY CAUSE DAMAGE TO THE BLOOD.

CHRCNIC: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM AND OTHER INTERNAL ORGAN DAMAGE.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

LIVER AND KIDNEY DISEASE, AMENIA, CORONARY DISEASE. PREGNANT WOMEN SHOULD AVOID EXPOSURE TO SOLVENTS.

EMERGENCY AND FIRST AID PROCEDURES

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

SKIN: REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. WIPE OFF WITH TOWEL. WASH WITH SOAP AND WATER. SET 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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======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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 RESULATIONS. 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 DES F. DO NOT PUNCTURE OR INCINERATE (BURN) CANS. DO NOT STICK PIN, HAIL 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 RE-SPECT TO CONSTRUCTION, DRAINAGE, CONTROL OF IGNITION SOURCES, AND VENTILATION EXCEPT THAT THEY SHOULD NOT BE STORED IN BASEMENTS.

### RESPIRATORY PROTECTION

NOME 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. GENERAL 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 GLOVES REQUIRED FOR PROLONGED OR REPEATED CONTACT.

#### EYE PROTECTION

NOME UNDER NORMAL USE; HOWEVER, USE OF SAFETY SLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED.

# OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NONE UNDER HORMAL 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.

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