#### MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DESIGN MASTER GLITTER GLUE 727 HMIS CODES: H F

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PRODUCT CODE: L-10570

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MANUFACTURER'S NAME: HYDROSOL INC.

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DATE PREPARED : 08-18-87 REASON REVISED : UPDATE

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

			OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE		
HAZARDOUS COMPONENTS		CAS NUMBER	OSHA PEL ACGIH TLV				
2-PROPANOL, ISOPROPYL ALCOHOL		67-63-0	400	400	33.0	68F	₹ 5.0%
PROPYLENE BLYCOL METHYL ETHER		107-98-2	HE	NE	8.4	68F	5
2-BUTOXYETHANOL, GLYCOL ETHER EB		111-76-2	50	25	0.6	68F	< 5.0%
ISOBUTYL ACETATE	.,	110-17-0	200	150	13.0	68F	10
ACETONE		67-64-1	1000	750	181.0	6BF .	45
BUTANE		106-97-B	1000	HE	1640.0	68F	10
PROPANE		74-98-6	1000	ASPHYXIANT	6350.0	6BF	15

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NOT AFFLICABLE

SPECIFIC GRAVITY (H20=1):

VAFOR DENSITY: N/A

EVAPORATION RATE: N/A

V.D.C.: N/A

SOLUBILITY IN WATER: SLIGHT TO MODERATE

APFEARANCE AND ODOR: AEROSOL PRODUCT

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

FLASH POINT: N/A

METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER:

UPPER: 13.0% 1.1%

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, FOR NOZZLES PREFERRED. WEAR GOGGLES AND SELF-CONTAINED BREATHING APPARATUS.

#### 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 APPARENT, OBTAIN MEDICAL ATTENTION.

STABILITY: STABLE CONDITIONS TO AVOID

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

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG DXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE AND DXIDES OF NITROSEN.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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 DERNATITIS.

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 REEPIRATORY SYSTEM IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS. SEVERE OVEREXPOSURE MAY CAUSE DAMAGE TO THE BLOOD.

CHRONIC: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERV-DUS 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. ANEMIA, 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. WIFE OFF WITH TOWEL, WASH WITH SOAP AND WATER. GET MEDICAL AT-TENTION 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 APSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

## WASTE DISPOSAL METHOD

DISFOSE 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 DENING ON TOP OF CAN. DO NOT SPRAY IN EYES. DC 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.

## 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/ILV LIMITS.

#### VENTILATION

SUFFICIENT TO PREVENT INHALATION OF SOLVENT VAPORS. GENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PAT-TERN TO KEEF PEL/TLV GF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL BELOW STATED LIMIT.

## PROTECTIVE GLOVES

NOME UNDER NORMAL USE. SOLVENT RESISTANT SLOVES REQUIRED FOR PROLONGED OR REPEATED CONTACT.

### EYE PROTECTION

NONE UNDER NORMAL USE; HOWEVER, USE OF SAFETY BLASSES 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.

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