MATERIAL SAFETY DATA SHEET

JDUCT NAME: DESIGN MASTER GLITTER GLUE 727 HMIS CODES: H F R P
PRODUCT CODE: L-10570 1 4 0

========== SECTION I - MANUFACTURER IDENTIFICATION ==========

MANUFACTURER'S NAME: HYDROSOL INC.
ADDRESS: 455 FRONTAGE ROAD, BURR RIDGE, IL 60521
EMERGENCY PHONE: 312-598-5448 INFORMATION PHONE: 312-598-5448
DATE PREPARED : 08-18-87 NAME OF PREPARER : ESP
REASON REVISED : UPDATE

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

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS OSHA PEL	ACGIH TLV	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
2-PROPANOL, ISOPROPYL ALCOHOL	67-63-0	400	400	33.0	68F	< 5.0%
PROPYLENE GLYCOL METHYL ETHER	107-98-2	NE	NE	8.4	68F	5
2-BUTOXYETHANOL, GLYCOL ETHER EB	111-76-2	50	25	0.6	68F	< 5.0%
ISOBUTYL ACETATE	110-19-0	200	150	13.0	68F	10
ACETONE	67-64-1	1000	750	181.0	68F	45
BUTANE	106-97-8	1000	NE	1640.0	68F	10
PROPANE	74-98-6	1000	ASPHYXIANT	6350.0	68F	15

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

BOILING POINT: NOT APPLICABLE SPECIFIC GRAVITY (H2O=1): 0.7
VAPOR DENSITY: N/A EVAPORATION RATE: N/A
V.O.C.: N/A
SOLUBILITY IN WATER: SLIGHT TO MODERATE
APPEARANCE 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: 1.1% 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 EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG 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.

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 OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
MAY PRODUCE FUMES 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.
CHRONIC: 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, ANEMIA, CORONARY DISEASE. PREGNANT WOMEN SHOULD AVOID EXPOSURE TO SOLVENTS.

EMERGENCY AND FIRST AID PROCEDURES
INHALATION: REMOVE TO FRESH AIR. ADMINISTER OXYGEN 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. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

========== 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 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
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
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.

========== SECTION IX - DISCLAIMER ==========

DISCLAIMER
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