MATERIAL SAFETY DATA SHEET

PRODUCT NAME: DESIGN MAST BRILLIANT GOLD 731 HMIS CODES: H F R

PRODUCT CODE: L-10540

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 # 08-20-87

NAME OF PREPARER : ESP

REASON REVISED : UPDATE

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

MAZARDOUS COMPONENTS		CAS NUMBER		TIONAL EXPOSURE LIMITS ACSIH TLY	VAPOR PRESSURI	
ETHANOL ISOBUTYL ACETATE 2-BUTOXYETHANOL, BLYCOL ETHER EB 2-BUTANONE, METHYL ETHYL KETONE 2-PROPANOL, ISOPROPYL ALCOHOL ACETONE METHYLENE CHLORIDE, DICHLOROMETHANE PROPANE	*	64-17-5 110-19-0 111-76-2 78-93-3 67-63-0 67-64-1 75-09-2 74-98-6	1000 200 50 200 400 1000 500	1000 150 25 200 400 750 100 ASPHYXIANT	40.0 66F 13.0 68F 0.6 68F 70.0 68F 33.0 68F 181.0 68F 420.0 77F 6350.0 68F	< 5.0% < 5.0% < 5.0% 5

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

BOILING POINT: NOT APPLICABLE

VAPOR DENSITY: N/A

V.D.C.: N/A

SOLUBILITY IN WATER: SLIGHT

APPEARANCE AND ODOR: AEROSOL PRODUCT

FLASH POINT: N/A

METHOD USED: N/A

SPECIFIC GRAVITY (H20=1):

EVAPORATION RATE: N/A

0.8

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1% UPPER: 19.0%

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, 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. VAFOR ACCUMULATION CAN FLASH OR EXPLODE IF IGNITED. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE REACTLY AFFARENT, 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 OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CARBON MONOXIDE, CHLORINE, AND HYDROGEN CHLORIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE RESPIRATORY IRRITATION, HEADACHE, NAUSEA, FATIEUE, DROWSINESS, IMPAIRED CO-ORDINATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
SKIN: CONTACT MAY DRY THE SKIN; PROLONGED CONTACT MAY CAUSE IRRITATION. EYES: LIQUID OR VAFOR CAN IRRITATE; PROLONGED CONTACT MAY LEAD TO CORNEAL DAMAGE.

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 SWALLOWED, DO NOT INDUCE VONITING. SEEK IMMEDIATE MEDICAL ADVICE AND/OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: EYE IRRITANT. SKIN IRRITANT. NARCOTIC IN HIGH CONCENTRATIONS.

CHRONIC: REPERTS HAVE ASSOCIATED REPEATED AND PROLONGED DCCUPATIONAL EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NER-VOUS SYSTEM AND OTHER INTERNAL ORGAN DAMAGE.

PREGNANT WOMEN SHOULD AVOID EXPOSURE TO SOLVENTS.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO DSHA REGULATED? NO METHYLENE CHLORIDE IS A SUSPECTED ANIMAL CARCINOGEN; STUDIES OF WORKERS IN THE WORKPLACE HAVE NOT CONFIRMED THESE RESULTS. NOT ON OSHA LIST.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

ACUTE AND CHRONIC LIVER AND KIDNEY DISEASE, AMERIA, CORONARY DISEASE OR RHYTHM DISORDERS OF THE HEART.

EMERGENCY AND FIRST AID PROCEDURES

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

SKIN: WIFE OFF WITH TOWEL. WASH WITH SCAP AND WATER, GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

EYES: WASH IMMEDIATELY WITH LARGE VOLUMES OF FRESH WATER FOR AT LEAST 15 MINUTES. SET MEDICAL ATTENTION.

J======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVELE BREATHING VAFORS. VENTILATE AREA. REMOVE ALL SOURCES OF IBNITION. CLEAN UP AREA WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD

CISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. BEFORE ATTEMPTING CLEAN UP, REFER TO DIHER SECTIONS OF THIS KEDS 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. DO NOT TAKE INTERNALLY. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION.

OTHER FRECAUTIONS

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

NOME UNDER NORMAL USE. AVOID BREATHING VAPORS. IN RESTRICTED AREAS, USE APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMMINATION OF PARTICLES AND VAPOR. IN CONFINED AREAS, USE APPROVED AIR LINE TYPE RESPIRATOR OF HOOD. SELF-CONTAINED BREATHING APPARATUS IS REQUIRED FOR VAPOR CONCENTRATIONS ABOVE PEL/TLV LIMITS.

VENTILATION

BUFFICIENT TO FREVENT INHALATION OF BOLVENT VAPORS. SENERAL DILUTION AND/OR LOCAL EXHAUST VENTILATION IN VOLUME OR PATTERN TO KEEF PEL/TLV OF MOST HAZARDOUS INGREDIENT BELOW ACCEPTABLE LIMIT AND LEL PELOW STATED LIMIT.

PROTECTIVE GLOVES

NOME 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

NOME 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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