

MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: DESIGN MASTER COLOR TOOL FLORAL SPRAY-GOLDS HMIS CODES: H F R P
 PRODUCT CODE: 731-733, 746 Copper 1 4 0

SECTION I - DISTRIBUTOR IDENTIFICATION

DISTRIBUTOR'S NAME: DESIGN MASTER COLOR TOOL INC
 ADDRESS : P.O. BOX 601
 BOULDER, CO 80306
 EMERGENCY PHONE : 800-525-2644 INFORMATION PHONE: 303-443-5214
 DATE PREPARED : 02/19/2004 NAME OF PREPARER : ESP

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
ACETONE OSHA PEL: 750 PPM, ACGIH TLV: 750 PPM	67-64-1	181 68	50-60
2-PROPANOL, ISOPROPYL ALCOHOL OSHA PEL: 400 PPM, ACGIH TLV: 400 PPM	67-63-0	33 68	5-10
* COPPER; COPPER COMPOUND OSHA PEL: 1.0 MG/M3, : AS DUST	7440-50-8		
ETHYL ALCOHOL, ETHANOL OSHA PEL: 1000 PPM, ACGIH TLV: 1000 PPM	64-17-5	76 68	3-6
* 2-BUTOXYETHANOL, GLYCOL ETHER EB OSHA PEL: 25 PPM, ACGIH TLV: 25 PPM, : SKIN	111-76-2	.6 68	3-6
* 2-BUTANONE, METHYL ETHYL KETONE OSHA PEL: 200 PPM, ACGIH TLV: 200 PPM	78-93-3	70 68	3-6
ISOBUTYL ACETATE OSHA PEL: 150 PPM, ACGIH TLV: 150 PPM	110-19-0	13 68	1-3
* ZINC; ZINC COMPOUND OSHA PEL: NOT ESTAB	7440-66-6	0 0	
PROPANE OSHA PEL: 1000 PPM, ACGIH TLV: ASPHYXIAN	74-98-6	6350 68	15-20

* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: -44 deg F to 336 deg F SPECIFIC GRAVITY (H2O=1): 0.72
 VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
 SOLUBILITY IN WATER: SLIGHT TO MODERATE
 APPEARANCE AND ODOR: AEROSOL PRODUCT

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -156 deg F METHOD USED: ESTIMATED
 FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1 UPPER: 20
 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 OTHER TOXIC FUMES.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SECTION VI HEALTH HAZARD DATA -----

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
RESPIRATORY IRRITATION, DIZZINESS, HEADACHE, NAUSEA, VOMITING, DROWSINESS, IMPAIRED CO-ORDINATION, EYE WATERING, UNCONSCIOUSNESS OR DEATH. MAY CAUSE HEART IRREGULARITIES.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
SKIN: PROLONGED OR REPEATED CONTACT MAY DRY AND DEFAT THE SKIN. MAY CAUSE AN ALLERGIC SKIN REACTION. EYES: LIQUID OR VAPOR CAN IRRITATE. SEVERE DAMAGE MAY OCCUR IF PARTICLES BECOME IMBEDDED IN THE EYE.

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. MAY DISCOLOR HAIR, SKIN OR EYES.

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)
CAUSES IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACTION. OVEREXPOSURE CAUSES NAUSEA, HEADACHE AND VOMITING. UNCONSCIOUSNESS OR DEATH MAY OCCUR IF TOO MUCH IS BREATHED. MAY CAUSE HEART IRREGULARITIES. PROLONGED CONTACT MAY DRY AND DEFAT THE SKIN. CONTAINS MATERIAL THAT CAN CAUSE DAMAGE TO BLOOD. BASED ON ANIMAL DATA, MAY CAUSE BIRTH DEFECTS. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL EXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

CARCINOGENICITY NTP CARCINOGEN 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 IT 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. VAPORS MAY CAUSE FLASH FIRE. KEEP AWAY FROM HEAT, SPARKS AND FLAME. 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. SEE PRODUCT LABEL FOR ADDITIONAL INFORMATION.

OTHER PRECAUTIONS

USE WITH ADEQUATE VENTILATION. TO PREVENT VAPOR BUILD-UP, OPEN DOORS AND WINDOWS OR USE AN EXPLOSION-PROOF EXHAUST FAN TO ENSURE FRESH AIR EXCHANGE DURING AND AFTER USE. DO NOT BREATHE VAPOR, GAS OR SPRAY MIST. WHEN USING, DO NOT EAT, DRINK OR SMOKE. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WEAR PROTECTIVE EQUIPMENT. WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH IT BEFORE REUSE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUES; FOLLOW LABEL WARNINGS EVEN AFTER CAN IS EMPTIED. DO NOT STORE IN BASEMENTS.

----- SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION

AVOID BREATHING VAPORS. USE WITH ADEQUATE VENTILATION EQUAL TO OUT OF DOORS. 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

SOLVENT RESISTANT GLOVES REQUIRED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION

USE OF SAFETY GLASSES WITH SPLASH GUARDS OR FULL FACE SHIELD IS RECOMMENDED

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

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 -----

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