

MATERIAL SAFETY DATA SHEET

SECTION I

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PRODUCT NAME: SKYJET DIGITAL
PRINTING INK
PRODUCT CODE: SKYJET
COMMON NAME: SOLVENT BASED
HMIS
HEALTH: 2
FLAMMABILITY: 2
REACTIVITY: 0

SECTION II COMPONENTS

| COMPONENTS | CAS # | OSHA PEL | ACGIH TLV | OTHER LIMITS RECOMMENDED WEEL |
|-----------------|-------|----------|------------|----------------------------------|
| SOLVENT* ** | TS | NE | TWA 20 PPM | NE |
| SOLVENT BLEND | TS | NE | NE | TWA 100 PPM, 541 MG/M3 |
| PIGMENT(VARIED) | TS | NE | NE | NE |

ALL COMPONENTS USED ARE EITHER LISTED OR EXCLUDED FROM LISTING ON THE TSCA INVENTORY.

**THIS PRODUCT IS A PEROXIDE FORMER

SARA TITLE III SECTION 313 INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE ANNUAL REPORTING REQUIREMENTS OF SECTION 313 TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR 372.

*ACETATE 16-68%

DOT/IATA SHIPPING INFORMATION

DOT: NOT REGULATED

IATA: NOT REGULATED

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|--|---------------------------------------|
| BOILING POINT: °CELSIUS/°FAHRENHEIT | UNKNOWN |
| VAPOR PRESSURE: MMHG | UNKNOWN |
| VAPOR DENSITY: AIR=1 | HEAVIER THAN AIR |
| SPECIFIC GRAVITY: H2O=1 | NA |
| MELTING POINT: °CELSIUS/°FAHRENHEIT | NA |
| VOC % BY WEIGHT | 87-91% |
| EVAPORATION RATE: BUTYL ACETATE=1 | NA |
| APPEARANCE AND ODOR: | MILD SOLVENT ODOR, PIGMENT BASED INKS |

SECTION IV**FIRE AND EXPLOSION HAZARD DATA**

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|-------------------------------------|------------------------|
| FLASHPOINT: °CELSIUS/°FAHRENHEIT | >181°FAHRENHEIT |
| FLAMMABLE LIMITS: | |
| LEL | NA |
| UEL | NA |
| EXTINGUISHING MEDIA: | ALCOHOL FOAM CO2 |
| | DRY CHEMICAL WATER FOG |

SPECIAL FIREFIGHTING PROCEDURES:

FULL PROTECTIVE EQUIPMENT IS RECOMMENDED TO PROTECT FIRE FIGHTERS FROM ANY HAZARDOUS DECOMPOSITION PRODUCTS. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS AND FIRE AFFECTED ZONE UNTIL FIRE IS OUT AND DANGER OR REIGNITION HAS PASSED. FIGHT FIRE FROM PROTECTED LOCATION OR SAFE DISTANCE. CONSIDER THE USE OF UNMANNED HOSE HOLDERS OR MONITOR NOZZLES. IMMEDIATELY WITHDRAW ALL PERSONNEL FROM THE AREA IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR DISCOLORATION OF THE CONTAINER. DO NOT USE DIRECT WATER STREAM. MAY SPREAD FIRE. MOVE CONTAINER FROM FIRE AREA IF THIS IS POSSIBLE WITHOUT HAZARD. BURNING LIQUIDS MAY BE MOVED BY FLUSHING WITH WATER TO PROTECT PERSONNEL AND MINIMIZE PROPERTY DAMAGE.

WEAR POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE FIRE FIGHTING CLOTHING. AVOID CONTACT WITH THIS MATERIAL DURING FIRE FIGHTING OPERATIONS. IF CONTACT IS LIKELY, CHANGE TO FULL CHEMICAL RESISTANT FIRE FIGHTING CLOTHING WITH SELF-CONTAINED BREATHING APPARATUS. IF THIS IS NOT AVAILABLE, WEAR FULL CHEMICAL RESISTANT CLOTHING WITH SELF-CONTAINED BREATHING APPARATUS AND FIGHT FIRE FROM A REMOTE LOCATION. FOR PROTECTIVE EQUIPMENT IN POST FIRE OR NON FIRE CLEAN UP SITUATIONS, REFER TO THE RELEVANT SECTIONS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CONTAINER MAY RUPTURE FROM GAS GENERATION IN A FIRE SITUATION. VIOLENT STEAM GENERATION OR ERUPTION MAY OCCUR UPON APPLICATION OF DIRECT WATER STREAM TO HOT LIQUIDS.

SECTION V**REACTIVITY DATA**

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| STABILITY: | STABLE UNDER NORMAL CONDITIONS |
| CONDITIONS TO AVOID: | EXTREME TEMPERATURES, DIRECT SUNLIGHT, XRAY, ELECTRON BEAM/UV SOURCES |
| INCOMPATIBILITY: MATERIALS TO AVOID | STRONG ACIDS, OXIDIZERS, ALKALI METAL HYDROXIDES, POLYMERIZATION INITIATORS, PEROXIDES, INERT GASES, AMINES |
| HAZARDOUS DECOMPOSITION OR BYPRODUCTS | CARBON MONOXIDE, CARBON DIOXIDE, MIXED OXIDES OF NITROGEN, SULFUR AND METHACRYLATE MONOMERS |
| HAZARDOUS POLYMERIZATION: | WILL NOT OCCUR UNDER NORMAL CONDITIONS |

SECTION VI**HEALTH HAZARD DATA**

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|-------------------------------|----------------------------------|
| ROUTES OF ENTRY: | EYE, INHALATION, INGESTION, SKIN |
| HEALTH HAZARDS: ACUTE/CHRONIC | IRRITATING TO SKIN |

| | |
|-------------------------|--|
| CARCINOGENICITY: | INGESTION LD50, RAT 1600-7250 MG/KG LD50, MOUSE 2830-3200 MG/KG SKIN LD50, RABBIT 1535 MG/KG INHALATION LC50 6 HRS. >4345 PPM |
| NTP: OSHA: | NA |
| IARC MONOGRAPHS: | NA |

POTENTIAL HEALTH EFFECTS

INGESTION: SEEK MEDICAL ADVICE.

INHALATION: EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT. PROLONGED EXCESSIVE EXPOSURE TO MIST MAY CAUSE SERIOUS ADVERSE EFFECTS.

SKIN: CONTAINS MATERIAL THAT MAY CAUSE SKIN IRRITATION (REDDENING AND SWELLING) AND/OR SENSITIZATION. SINCE IRRITATION MAY NOT OCCUR IMMEDIATELY, CONTACT CAN GO UNNOTICED.

EYE: CONTAINS MATERIALS THAT MAY CAUSE MODERATE IRRITATION, INCLUDING BURNING SENSATION TEARING, REDNESS OR SWELLING.

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY OVEREXPOSURE: LUNG CONDITIONS, SENSITIZATION, OR ALLERGIES, SKIN AND EYE CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: IF SWALLOWED, SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL.

INHALATION: REMOVE VICTIM TO A WELL VENTILATED AREA. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS REQUIRED. TREAT SYMPTOMATICALLY AND CONSULT PHYSICIAN.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH THOROUGHLY WITH MILD SOAP AND WARM WATER. CONSULT A PHYSICIAN IF THERE IS ANY PERSISTING IRRITATION.

EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST FIFTEEN MINUTES. CONSULT PHYSICIAN.

SECTION VII

PRECAUTIONS FOR SAFE HANDLING & USAGE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

PLACE LEAKING CONTAINERS IN A WELL VENTILATED AREA. AVOID BREATHING VAPORS. ELIMINATE ALL SOURCES OF HEAT, AS WELL AS ALL CONDITIONS NOTED IN SECTION VII, ABOVE. NOTIFY PROPER AUTHORITIES IF PUBLIC WATERS OR SEWERS ARE CONTAMINATED.

WASTE DISPOSAL METHODS:

THIS MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES. INQUIRE OF YOUR LOCAL ENVIRONMENTAL AGENCIES FOR THE EXACT LEGAL REQUIREMENTS IN YOUR AREA.

REFER TO SECTIONS IV, V, VI, VII AND IX OF THIS DOCUMENT BEFORE ATTEMPTING ANY CLEANUP.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION:

INHALATION OF MIST, AEROSOLS OR VAPORS MAY RESULT IN IRRITATION OF RESPIRATORY TRACT COUGHING, SHORTNESS OF BREATH AND DIZZINESS. IF VAPORS OR MIST EXCEEDS AIR MONITORING LEVELS, A NIOSH APPROVED RESPIRATOR MAY BE USED.

VENTILATION:

LOCAL EXHAUST RECOMMENDED WHEN APPROPRIATE TO CONTROL EXPOSURE TO MISTS OR AEROSOLS. GENERAL EXHAUST IS NORMALLY ADEQUATE TO MINIMIZE EXPOSURE TO VAPORS.

PROTECTIVE EQUIPMENT:

GLOVES

GOGGLES

SAFETY GLASSES

APRON

RESPIRATOR(WHEN NEEDED)

WORK/HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING, USING TOBACCO PRODUCTS, OR USING THE WASHROOM. TOBACCO AND FOOD SHOULD BE CONSUMED IN DESIGNATED AREAS ONLY.

PURCHASERS OBLIGATION

POLYMERIC URGES THE CUSTOMER RECEIVING THIS MATERIAL SAFETY DATA SHEET TO STUDY IT CAREFULLY TO BECOME AWARE OF HAZARDS, IF ANY OF THE PRODUCTS INVOLVED. IN THE INTEREST OF SAFETY, YOU SHOULD(1) NOTIFY YOUR EMPLOYEES, AGENTS AND CONTRACTORS OF THE INFORMATION ON THIS SHEET, (2) FURNISH A COPY TO EACH OF YOUR CUSTOMERS FOR THIS PRODUCT, AND (3) REQUEST YOUR CUSTOMERS TO INFORM THEIR EMPLOYEES, CUSTOMERS AND AGENTS AS WELL.

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