



### THREE DIMENSIONAL

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## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

NUMBER (978) 774 8595 PREPARED BY: Bob Arzilli

TRADE NAME: O/S S/F Printing Ink  
"non oxydizing" METALLIC

HMIS HAZARD RATING:

PRODUCT CLASSIFICATIONS  
LITHOGRAPHIC INK VEHICLE

MINIMAL	0	HEALTH	1
SLIGHT	1	FLAMMABILITY	1
MODERATE	2	REACTIVITY	0
SERIOUS	3		
SEVERE	4		

### II. HAZARDOUS COMPONENTS

THE COMPONENTS OF THIS PRODUCT ARE NOT CONSIDERED TO BE HAZARDOUS AS DEFINED BY THE OSHA HAZARD COMMUNICATION STD. (29 CFR 1910.1200)

THIS PRODUCT CONTAINS PETROLEUM DISTILLATES WHICH ARE EXEMPT FROM SPECIAL LABELING BY OSHA

THE OSHA PEL/ACGIH TWA FOR MINERAL OIL MIST IS 5mg/M3

THIS PRODUCT CONTAINS PIGMENT RED 53:1 RED LAKE C AS MUCH AS 5% BA FROM BARIUM IN PASTE FORM OSHA PEL 5/MG/M3

OIL MISTS CAS#5160-02-1

PIGMENT BLACK 7 CARBON BLACK IN PASTE FORM CAS # 1333-86-4

ALUMINIUM CAS#7429-90-5 LESS THAN 20 %

ZINC CAS # 7440-66-6 LESS THAN 4 %

COPPER CAS # 7440-50-8 LESS THAN 10 %

-SEE SECTION XIV FOR ADDITIONAL REGULATORY INFORMATION-

### III. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

AMBER VISCOUS LIQUID OR GEL WITH AN OLEORESINOUS ODOR

#### SYMPTOMS OF OVEREXPOSURE

EYE CONTACT MAY CAUSE IRRITATION.

IN POORLY VENTILATED AREAS, VAPORS FROM THE HEATED PRODUCT MAY CAUSE TEMPORARY DIZZINESS, HEADACHE, NAUSEA, VOMITING, AND DROWSINESS.

DERMATITIS MAY BE AGGRAVATED BY CONTACT.

INGESTION MAY CAUSE LOCAL IRRITATION OF MOUTH, ESOPHAGUS AND STOMACH.

### IV. FIRST AID MEASURES

**EYE CONTACT:** IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES, CONSULT A PHYSICIAN.

**SKIN CONTACT:** WASH EXPOSED SKIN WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHES.

**INHALATION:** IF VAPORS FROM THE HEATED PRODUCT ARE INHALED, REMOVE AFFECTED PERSON TO FRESH AIR, RESTORE BREATHING, CONSULT A PHYSICIAN.

**INGESTION:** IF INGESTED, DO NOT INDUCE VOMITING, CONSULT A PHYSICIAN.

### V. FIRE FIGHTING MEASURES

FLASHPOINT: 230° F (C.O.C.)

FLAMMABLE LIMITS IN AIR (% BY VOLUME): LOWER 1.1 UPPER 6.0

OSHA CLASS III B COMBUSTIBLE LIQUID.

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM.

CLOSED CONTAINERS SHOULD BE COOLED WITH WATER USING FOG NOZZLES TO MINIMIZE INTERNAL PRESSURES AND EXPLOSION RISK.

CAN FORM DENSE FUMES WHEN BURNING, PRODUCING CO, CO<sub>2</sub> OTHER OXIDES. FIRE FIGHTING PERSONNEL SHOULD WEAR SCBA.

### VI. ACCIDENTAL RELEASE

IN CASE OF SPILLS, KEEP FROM SPARKS OR OPEN FLAMES. VENTILATE AREA. AVOID BREATHING OF CONCENTRATED VAPORS. USE OIL ABSORBANTS AND SWEEP UP WITH BROOM AND SHOVEL INTO PROPER DISPOSAL CONTAINER.

## VII. STORAGE AND HANDLING

STORE IN SEALED CONTAINERS AWAY FROM EXCESSIVE HEAT, OPEN FLAME, SPARKS OR STRONG OXIDIZING AGENTS. AVOID CONTACT AND USE ADEQUATE VENTILATION.

## VIII. PERSONAL PROTECTION

**EYE PROTECTION:** WEAR SPLASH-PROOF SAFETY GLASSES OR FACE SHIELD AS NEEDED TO MINIMIZE EYE CONTACT.

**RESPIRATORY PROTECTION:** NOT REQUIRED UNLESS MIST IS GENERATED WHILE MATERIAL IS HEATED OR HANDLED, IN WHICH CASE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WITH MIST FILTER SHOULD BE USED. ADEQUATE VENTILATION SHOULD ALSO BE PROVIDED DURING NORMAL USE TO MAINTAIN CONCENTRATIONS BELOW THE SPECIFIED EXPOSURE LIMITS.

**SKIN PROTECTION:** FOR PROLONGED OR REPEATED EXPOSURE USE IMPERVIOUS GLOVES, APRONS, LONG SLEEVE SHIRTS/PANTS SHOULD ALSO BE WORN TO MINIMIZE EXPOSURE.

**OTHER:** IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE, WASH HANDS WITH SOAP AND WATER AFTER WORKING WITH MATERIAL.

## IX. PHYSICAL/CHEMICAL PROPERTIES

FLASHPOINT: 230° F (C.O.C.)

BOILING POINT > 450°F

VAPOR PRESSURE < 0.1 MMHG @ 20°C

VAPOR DENSITY > 1 (AIR=1)

INSOLUBLE IN WATER

SPECIFIC GRAVITY: 0.9562

LBS/GAL: 7.9718

PERCENT VOLATILES BY WT: less than 20

EVAPORATION RATE < 1 (BUTYL ACETATE = 1)

AMBER COLOR - TYPICAL OLEORESINOUS ODOR

-THESE PROPERTIES REPRESENT TYPICAL BATCHES AND ARE NOT SPECIFICATIONS.-

## X. STABILITY AND REACTIVITY

THIS PRODUCT IS CHEMICALLY STABLE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR. AVOID STRONG OXIDIZING AGENTS.

## XI. ECOLOGICAL INFORMATION

DO NOT ALLOW SPILLS TO ENTER SEWERS OR STORM DRAINS. CONTAIN SPILL IMMEDIATELY. REMOVE ALL SOURCES OF IGNITION AND ABSORB WITH INERT MATERIAL SUCH AS SAND OR CLAY. DISCHARGE TO NAVIGABLE WATERWAYS OR SHORELINES RESULTING IN A VISIBLE SURFACE SHEEN ARE PROHIBITED AND REPORTABLE UNDER SECTION 311 (b) (3) OF THE FEDERAL WATER POLLUTION CONTROL ACT. (SEE 40 CFR 110)

--SEE SECTIONS VI, VII, AND VIII FOR ADDITIONAL INFORMATION--

## XII. DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

## XIII. TRANSPORTATION INFORMATION

DO NOT TRANSFER TO UNMARKED CONTAINERS. NON-REGULATED UNDER D.O.T.

## XIV. REGULATORY INFORMATION

**EPA-SARA, TITLE III SECTION 313 (40 CFR 372):**

THIS PRODUCT CONTAINS PIGMENT BLACK 7

THIS PRODUCT CONTAINS ALUMINIUM, ZINC AND COPPER

THIS PRODUCT CONTAINS PIGMENT RED 53:1 RED LAKE C

**EPA-TOXIC SUBSTANCES CONTROL ACT (TSCA):**

ALL COMPONENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY.

**CANADIAN SUBSTANCE INVENTORY:**

ONE OR MORE OF THE COMPONENTS OF THIS PRODUCT DO NOT APPEAR IN THE CANADIAN SUBSTANCE INVENTORY.

**(CAS/TRADE SECRET REGISTRY NUMBERS PROVIDED UPON REQUEST)**

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