



### THREE DIMENSIONAL

One Southside Road • P.O. Box 357 • Danvers, MA 01923  
800-785-8595 • 978-774-8595 • Fax: 978-750-4391

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

PRODUCT INFORMATION AND EMERGENCY TELEPHONE  
NUMBER (978) 774 8595 PREPARED BY: Bob Arzilli

TRADE NAME: O/S S/F Printing Ink  
"non oxydizing" Black Ink and colors w/Black

#### 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 BLACK 7 CARBON BLACK IN PASTE FORM  
OSHA PEL 3.5 MG/M3(oil mists) CAS#1333-86-4

-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 10  
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 CARBON BLACK PIGMENT BLACK 7.

### **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)**

The information and recommendations contained in this Data Sheet are given in good faith and are believed to be accurate. However, this data is based upon information that Three Dimensional considers to be the best available to date. Since the actual conditions of handling, storage, use, and disposal are beyond our control, we will express or imply no guarantee or warranty of any kind regarding the accuracy of the information contained herein. For this reason, Three Dimensional assumes no liability for damage or loss incurred by the use of this product.