

**MATERIAL SAFETY DATA SHEET**

1700-50 REDUCER CONCENTRATE

**PRODUCT NAME: 1700-50 REDUCER CONCENTRATE**  
PRODUCT CODE: 1700-50

**HMIS CODES: H F R P**  
1 1 0 X

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

MANUFACTURER'S NAME: Triangle Ink Co., Inc.  
ADDRESS : 53-57 Van Dyke Street  
Wallington, NJ 07057

EMERGENCY PHONE : 800-429-9300 (CHEMTREC)      DATE PRINTED : 09/16/2004  
INTRNATIONAL : 703-527-3887  
INFORMATION PHONE : 201-935-2777

===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT PERCENT
		MM HG @	TEMP	
Mixture of 1,2-BENZENEDICARBOLIC ACID ESTERS	MIXTURE	0.30000	356.0000	100.

\*\*\* No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. \*\*\*

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

BOILING RANGE: 446 TO 590 DEG F      SPECIFIC GRAVITY (H2O=1): .97  
VAPOR DENSITY: HEAVIER THAN AIR      EVAPORATION RATE: SLOWER THAN ETHER  
MATERIAL V.O.C.: . lb/gl  
SOLUBILITY IN WATER: Non Soluble  
APPEARANCE AND ODOR: Clear Liquid and characteristic odor.

===== **SECTION IV - FIRE AND EXPLOSION HAZARD DATA** =====

FLASH POINT: 440 deg F      METHOD USED: COC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A      UPPER: N/A

EXTINGUISHING MEDIA: ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

**SPECIAL FIREFIGHTING PROCEDURES**

USE SELF CONTAINED BREATHING APPARATUS, AND SUITABLE PROTECTIVE CLOTHING.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

MATERIAL WILL BURN, BUT WILL NOT IGNITE READILY. COOLING REQUIRED TO PREVENT EXPLOSION IN THE HEAT OF FIRE.

===== **SECTION V - REACTIVITY DATA** =====

STABILITY: STABLE

**CONDITIONS TO AVOID**

HIGH TEMPERATURES.

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## **INCOMPATIBILITY (MATERIALS TO AVOID)**

NONE KNOWN.

## **HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

MAY YIELD CARBON DIOXIDE BY THERMAL DECOMPOSITION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## ===== SECTION VI - HEALTH HAZARD DATA =====

### **INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

IF BREATHING DIFFICULTIES, DIZZINESS OR LIGHTHEADEDNESS OCCURS WHEN WORKING WITH HIGH VAPOR CONCENTRATION, VICTIM SHOULD SEEK FRESH AIR. IF BREATHING STOPS BEGIN ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION.

### **SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

MAY CAUSE ITCHING OF SKIN AND TEARING OF EYES.

### **SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

THIS PRODUCT MAY CAUSE SKIN IRRITATION UPON PROLONGED OR REPEATED CONTACT.

### **INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

THIS MATERIAL HAS A LOW DEGREE OF TOXICITY BY INGESTION.

### **HEALTH HAZARDS (ACUTE AND CHRONIC)**

INHALATION: VAPOR OR MIST CAN CAUSE HEADACHE AND IRRITATION OF THE NOSE AND THROAT. SKIN CONTACT: PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE SLIGHT SKIN IRRITATION. EYE CONTACT: DIRECT CONTACT WITH PRODUCT CAN RESULT IN EYE IRRITATION.

**CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED:**

No

THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA.

### **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

ASTHMATIC AILMENTS, SKIN DISORDERS

### **EMERGENCY AND FIRST AID PROCEDURES**

INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: WASH WITH SOAP AND LARGE AMOUNT OF WATER.

EYE CONTACT: FLUSH WITH LARGE AMOUNT OF WATER UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL HELP.

INGESTION: IF SWALLOWED, INDUCE VOMITING, BUT ONLY IF VICTIM IS ALERT. GET PROMPT MEDICAL ATTENTION. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO A DROWSY OR UNCONSCIOUS PERSON.

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

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

KEEP SPECTATORS AWAY. FLOORS MAY BE SLIPPERY; USE CARE TO AVOID FALLING. CONTAIN SPILLS IMMEDIATELY BY WIPING UP WITH ABSORBENT MATERIAL, THEN RINSE WITH WATER AND REPEAT WIPE UP.

### **WASTE DISPOSAL METHOD**

DISPOSE OF AS SOLID WASTE, OBSERVING ALL LOCAL, STATE AND FEDERAL REGULATIONS.

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Use non-sparking utensils when handling this material. Avoid hot metal surface Use in cool, well-ventilated areas. Keep

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containers closed when not in use. Keep away from excessive heat and open flames.

**OTHER PRECAUTIONS**

NONE.

===== **SECTION VIII - CONTROL MEASURES** =====

**RESPIRATORY PROTECTION**

NONE REQUIRED IF SUFFICIENT VENTILATION IS MAINTAINED. OTHERWISE, WEAR PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR WHENEVER EXPOSURE TO VAPOR OR MIST IS LIKELY.

**VENTILATION**

General mechanical ventilation may be sufficient to keep product concentration within specified time weighted TLV range.

**PROTECTIVE GLOVES**

THE USE OF IMPERMEABLE GLOVES IS ADVISED TO PREVENT SKIN IRRITATION.

**EYE PROTECTION**

SAFETY GLASSES WITH SIDE SHIELDS, CHEMICAL GOGGLES AND/OR FACE SHIELDS ARE RECOMMENDED

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

SKIN PROTECTIVE CLOTHING MUST BE WORN.

**WORK/HYGIENIC PRACTICES**

EYE WASHES AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

===== **SECTION IX - DISCLAIMER** =====

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