

MATERIAL SAFETY DATA SHEET

N-10877 SILVER

PRODUCT NAME: N-10877 SILVER

HMIS CODES: H F R P

PRODUCT CODE: N 10877

1 1 0

===== **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)

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INTRNATIONAL : 703-527-3887

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

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT PERCENT
		MM HG	@ TEMP	
Ethene, Chloro-Homopolymer	9002-86-2	0.00000	0.00000	26.21
Ethene, Chloro-, Homopolymer	9002-86-2	0.00000	0.00000	18.49
OSHA PEL: 15 mg/m3, ACGIH TLV: 10 mg/m3				
Alkyl Benzyl Phthalate, BUTYL BENZYL PHTHALATE	MIXTURE	0.16000	302.0000	12.39
No Established Limits				
Mixture of 1,2-BENZENEDICARBOLIC ACID ESTERS	MIXTURE	0.30000	356.0000	10.47
* Aluminium Pigment Powder 98%, C.I. Pigment 77000	7429-90-5	0.00000	0.00000	8.11
OSHA PEL: 15 MG/M3, ACGIH TLV: 15 MG/M3				
* Poly(Acrylic acid-co-vinyl chloride)	25702-80-1	0.00000	0.00000	4
OSHA PEL: N.A., ACGIH TLV: 10 ppm				
PEG 400 MONOLAURATE	61791-29-5	0.00000	0.00000	5
1,2-Benzenedicarboxylic acid alkyl esters (50%)	800963-5071	0.00000	0.00000	
ACGIH TLV: 5 mg/m3				

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

WARNING: DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM MAY BE PRESENT IN THIS PRODUCT.

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

BOILING RANGE: 395 TO 440 DEG F SPECIFIC GRAVITY (H2O=1): 1.2

VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER

MATERIAL V.O.C.: . lb/gal

SOLUBILITY IN WATER: Non Soluble

APPEARANCE AND ODOR: AN OFF WHITE COLORED PASTE AND CHARACTERISTIC ODOR

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

FLASH POINT: 200 DEG F METHOD USED: COC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

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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.

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

IF THIS PRODUCT IS SWALLOWED, INDUCE VOMITING, ONLY IF VICTIM IS ALERT. IMMEDIATELY SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation-Dizziness, breathing difficulty, headaches, and loss of coordination. Eye contact-Severe irritation, tearing, redness, and blurred vision. Skin contact-Can dry and defat skin causing cracks, irritation, and dermatitis. Ingestion-Can cause gastrointestinal irritation, vomiting, nausea, & diarrhea. No chronic health effects.

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

Yes

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 UNCONCIOUS PERSON.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

MATERIAL SHOULD BE GATHERED BY SCOOPING INTO CONTAINERS. PREVENT FROM ENTERING SEWERS OR OTHER DRAINAGE.

WASTE DISPOSAL METHOD

Collect absorbent/water/spilled liquid mixture into metal containers. Consult local, state & federal hazardous waste regulations before disposing into approved hazardous waste landfills. Obey relevant laws.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE IN COOL AREAS AWAY FROM HEAT, SPARKS OR OPEN FLAME, TO PREVENT HARDENING. TIGHTLY CLOSE ALL CONTAINERS AFTER USE, TO PREVENT CONTAMINATION. IDEAL STORAGE TEMPERATURE IS 50 - 81 F (10 - 27 C).

OTHER PRECAUTIONS

NONE.

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

RESPIRATORY PROTECTION

THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION. ABOVE THE TIME WEIGHTED TLV, USE NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS MASK.

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, 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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