

**MATERIAL SAFETY DATA SHEET**

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**PRODUCT NAME: 1014 TRI - E.R.C.**  
**PRODUCT CODE: 000000000000001014**

**HMIS CODES: H F R P**  
**1 1 2 E**

===== **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** =====

<b>REPORTABLE COMPONENTS</b>	<b>CAS NUMBER</b>	<b>VAPOR PRESSURE MM HG @ TEMP</b>	<b>WEIGHT PERCENT</b>
Sodium Meta-Periodate ACGIH TLV: I: 58mg/m3	7790-28-5	0.00000 0.00000	60
Proprietary Ingredient	5329-14-6	0.00000 0.00000	40

\*\*\* 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:** NOT APPLICABLE      **SPECIFIC GRAVITY (H2O=1):** 2.29  
**VAPOR DENSITY:** NOT APPLICABLE.      **EVAPORATION RATE:** NOT APPLICABLE.  
**MATERIAL V.O.C.:** . lb/gl  
**SOLUBILITY IN WATER:** SOLUBLE (Dilutable)  
**APPEARANCE AND ODOR:** WHITE CRYSTALS, SLIGHT ACIDIC ODOR

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

**FLASH POINT:** N/A      **METHOD USED:** N/A  
**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**  
MAY EMIT TOXIC FUMES OF IODINE AND OTHER OXIDES IF HEATED TO DECOMPOSITION.

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

**STABILITY:** STABLE  
**CONDITIONS TO AVOID**  
HIGH TEMPERATURES OR CONTACT WITH MOISTURE.

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**INCOMPATIBILITY (MATERIALS TO AVOID)**

REDUCING AGENTS, FINELY DIVIDED METALS, COMBUSTIBLE MATERIALS, NITRATES, NITRITES AND CHLORATES

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

IODINE, OXIDES OF SULFUR, SODIUM OXIDE, HYDROGEN IODIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== **SECTION VI - HEALTH HAZARD DATA** =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

INHALATION OF VAPOR OR MIST MAY CAUSE HEADACHE AND IRRITATION OF THE NOSE AND THROAT. SEEK MEDICAL ADVICE IN ANY UNUSUAL SYMPTOMS DEVELOP.

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

IRRITATION OF EYES AND SKIN, REDNESS AND BURNING

**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, DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ADVICE AND OR ATTENTION.

**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:**

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. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. SKIN CONTACT: REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH AFFECTED AREAS WITH SOAP OR TINCTURE OF GREEN SOAP AND LARGE AMOUNT OF WATER, PREFERABLY UNDER SAFETY SHOWER. EYE CONTACT: FLUSH WITH LARGE AMOUNT OF WATER, HOLDING EYELIDS OPEN UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, SEEK MEDICAL HELP. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE A GLASS OF MILK OR WATER TO DRINK, ONLY IF VICTIM IS NOT UNCONCIOUS. GET PROMPT MEDICAL ATTENTION. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO A DROWSY OR UNCONCIOUS PERSON.

===== **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 SPILLED LIQUID MIXTURE INTO CONTAINERS FOR RECOVERY OR DISPOSAL. ADD ENOUGH WATER TO COVER. KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWER AND OPEN BODIES OF WATER. CONSULT LOCAL STATE AND FEDERAL HAZARDOUS WASTE REGULATION BEFORE DISPOSING INTO APPROVED HAZARDOUS WASTE LANDFILLS. OBEY RELEVANT LAWS.

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

KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAME. GROUND CONTAINERS WHEN HANDLING AND TRANSFERRING CONTENTS. TIGHTLY CLOSE ALL CONTAINERS TO PREVENT MOISTURE CONTAMINATION. IDEAL STORAGE TEMPERATURE IS 50 - 81 F (10 - 27C).

**OTHER PRECAUTIONS**

Smoking in area where this material is used should be strictly prohibited. Plastic utensils are preferred tools as material is corrosive to metal implements.

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

**RESPIRATORY PROTECTION**

FOR APPARENT DUST AND FUMES EXPOSURE, A NIOSH APPROVED DUST, MIST & FUME RESPIRATOR IS RECOMMENDED.

**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**

IMPERMEABLE APRONS ARE ADVISED WHEN WORKING WITH THIS PRODUCT. THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

**WORK/HYGIENIC PRACTICES**

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

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