

M A T E R I A L S A F E T Y D A T A S H E E T

TRI-SOL 25 REDUCER/WASH-UP

PRODUCT NAME: TRI-SOL 25 REDUCER/WASH-UP
PRODUCT CODE: TRI-SOL 25

HMIS CODES: H F R P
1 2 0 G

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

MANUFACTURED FOR : Triangle Ink Co., Inc.
ADDRESS : 53-57 Van Dyke Street
Wallington, NJ 07057

EMERGENCY PHONE : 800-429-9300 (CHEMTREC) **DATE PRINTED** : 09/16/2004
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===== **SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION** =====

| REPORTABLE COMPONENTS | CAS NUMBER | VAPOR PRESSURE MM HG @ TEMP | WEIGHT PERCENT |
|--|------------|--------------------------------|-------------------|
| ALIPHATIC HYDROCARBONS (STODDARD TYPE) OSHA PEL: 500 ppm, ACGIH TLV: 100 ppm, OSHA VPEL 100 ppm TWA FOR ABOVE VALUES | 8052-41-3 | 2.00 68 F | 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: 340.0 - 400.0 deg F **SPECIFIC GRAVITY (H2O=1):** .76
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** .11(n-butyl acetate)
MATERIAL V.O.C.: 6.32 lb/gl
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Clear Liquid and characteristic odor.

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

FLASH POINT: 120 - 130 deg F **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 0.70 UPPER: 5.000

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

FIRE FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND COMPLETE PROTECTIVE EQUIPMENT WHEN ENTERING CONFINED AREAS WHERE THE POTENTIAL EXISTS FOR EXPOSURE TO VAPORS OR PRODUCTS OF COMBUSTION.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Handle as flammable liquid. Vapors form an explosive mixture in air between the upper and lower explosive limits which can be ignited by many sources such as pilot lights, open flames, electrical motors and switches

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

STABILITY: STABLE

CONDITIONS TO AVOID

HIGH TEMPERATURES.

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZERS, ACIDS, BASES, ANHYDRIDES AND AMINES.

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

SALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE HARMFUL. THIS MATERIAL CAN GET INTO THE LUNGS DURING SWALLOWING OR VOMITING, WHICH RESULTS IN LUNG INFLAMATION AND OTHER LUNG INJURY. IF THIS PRODUCT IS SWALLOWED, DO NOT INDUCE VOMITING, SEEK IMMEDIATE MEDICAL ADVICE AND OR ATTENTION.

HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE: BREATHING DIFFICULTIES, DIZZINESS, OR LIGHTHEADEDNESS MIGHT OCCUR WHEN WORKING IN AREAS WITH HIGH VAPOR CONCENTRATION, VICTIM SHOULD SEEK AIR FREE OF VAPORS. IF BREATHING STOPS, BEGIN ARTIFICIAL REPSIRATION AND SEEK IMMEDIATE MEDICAL ATTENTION.

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

RESPIRATORY TRACT IRRITATION, DERMATITIS, NAUSEA, VOMITING

EMERGENCY AND FIRST AID PROCEDURES

IF THIS PRODUCT COMES IN CONTACT WITH THE **EYES**, FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES AND SEEK IMMEDIATE MEDICAL ATTENTION. IF THIS PRODUCT COMES IN CONTACT WITH **THE SKIN**, WASH WITH SOAP AND LARGE QUANTITIES OF WATER AND SEEK MEDICAL ATTENTION IF IRRITATION FROM CONTACT PERSISTS. IF THIS PRODUCT IS SWALLOWED DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION

NOTE TO PHYSICIANS

This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin lung (for example, asthma-like conditions).

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

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ABSORB LIQUID ON VERMICULITE, OR OTHER FLOOR ABSORBENT. DO NOT USE COMBUSTIBLE TYPE SUCH AS SAWDUST. KEEP SOURCES OF IGNITION AND HOT METAL SURFACES IN ISOLATION FROM SPILL

WASTE DISPOSAL METHOD

MUST BE DISPOSED OF IN A PERMITTED INCINERATOR (PREFERRED) OR LANDFILL IN ACCORDANCE WITH FEDERAL, STATE OR LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

KEEP PRODUCT CONTAINERS COOL, DRY, AND AWAY FROM SOURCES OF IGNITION. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION. (SEE SECTION IV). KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS

PERSONEL SHOULD AVOID INHALATION OF VAPORS. (SEE SECTIONS I, II, III, IV, VI). PERSONAL CONTACT WITH THE PRODUCT SHOULD BE AVOIDED. SHOULD CONTACT OCCUR, REMOVE SATURATED CLOTHING AND FLUSH AFFECTED AREAS WITH WATER. (SEE SECTION II, IV, VI). APPLY GOOD HOUSEKEEPING. LAUNDRER CLOTHES BEFORE RE-USE.

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

RESPIRATORY PROTECTION

THE USE OF RESPIRATORY PROTECTION DEPENDS ON VAPOR CONCENTRATION. ABOVE THE TIME WEIGHTED TLV, USE NIOSH APPROVED CARTILAGE 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 WITH SIDE SHIELDS, 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

WASH HANDS BEFORE EATING OR USING THE WASHROOM. SMOKE IN SMOKING AREAS ONLY.

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

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