



# MATERIAL SAFETY DATA SHEET

## 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Trade Name** INK TYPE NK NT  
**MSDS Number** 261  
**CAS Number** --0  
**Supplier** TRANS TECH AMERICA, INC.  
475 N. GARY AVENUE  
CAROL STREAM, IL 60188 USA

**Telephone Numbers - 24 Hour Emergency Assistance**  
Emergency (352)323-3500

**Telephone Numbers - General Assistance**  
Information (630)752-4000

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Concentration	Exposure Limits / Health Hazards
SOLVENT NAPHTHA	64742-95-6	Proprietary	NA
DIACETONE ALCOHOL	123-42-2	Proprietary	OSHA PEL: 50ppm ACGIH TLV: 50ppm
BENZENE, 1,2,4-TRIMETHYL-	95-63-6	< 9.5 %	
CYCLOHEXANONE	108-94-1	Proprietary	OSHA PEL: 50ppm; ACGIH TLV: 25ppm OSHA/NIOSH IDLH TLV*: 100 mg/m3
DIBUTYL PHTHALATE	84-74-2	< 3.5 %	OSHA PEL: 5mg/m3 ACGIH TLV: 5mg/m3
XYLENES	1330-20-7	< 8 %	OSHA TWA: 100ppm; OSHA STEL: 150ppm
THYLBENZENE	100-41-4	< 2 %	OSHA PEL: 100ppm ACGIH TLV: 100ppm NIOSH REL: (Ethyl Benzene) TWA 100 ppm: STEL: 125 ppm

## 3 HAZARDS IDENTIFICATION

**Emergency Overview**  
NI

## 4 FIRST AID MEASURES

**Skin**  
Wash areas affected with water and soap. Remove and launder contaminated clothing before reuse.

**Eye**  
Flush with large quantities of water for 15 minutes. Obtain medical attention if irritation develops.

**Inhalation**

Move to fresh air, provide aid in breathing if necessary. GET IMMEDIATE MEDICAL ATTENTION.

**Ingestion**

If swallowed, do not induce vomiting. Dilute any effect by drinking water and get immediate medical attention.

**Medical Conditions Aggravated by Exposure**

ND

## 5 FIRE FIGHTING MEASURES

**Extinguishing Media**

Use dry chemical, carbon dioxide or universal foam extinguishing media.

**Basic Fire Fighting Procedures**

Use self contained breathing apparatus and protective clothing.

**Unusual Fire & Explosion Hazards**

Vapors are heavier than air and may travel considerable distances to a source of ignition and backflash. Dangerous when heated, may emit flammable vapors which, when mixed with air, can burn or be explosive.

**Flash Point** At or above 73F

**Flammability Limits in Air, Lower, % by Volume** 0.8

## 6 ACCIDENTAL RELEASE MEASURES

**Spill or Leak Procedure**

Spills should be contained, absorbed and placed in a suitable container for disposal in a rcra licensed facility. This material is regulated under RCRA or CERCLA.

## 7 HANDLING & STORAGE

**Handling**

All drums, including solvents, must be grounded and bonded when transferring or pouring contents.

**Storage**

Store below flash point. Keep away from heat, sparks and open flame.

**Ventilation**

Ni Use general or local exhausts to control vapors or mists to levels below osha pel or acgih tlv limits indicated in section 2.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eye Protection: Personal Protection Equipments (PPE)**

Use chemical safety goggles or face shields.

**Skin Protection: Personal Protection Equipments (PPE)**

Use gloves impervious to solvent plus impervious aprons, clothing and boots as necessary to prevent skin contact. Ventilation: use general or local exhausts to control vapors or mists to levels below osha pel or acgih tlv limits indicated in section 2.

**Respiratory Protection: Personal Protection Equipments (PPE)**

If vapors or mists are generated, wear a niosh/msha approved organic vapor or mist respirator.

## 9 PHYSICAL & CHEMICAL PROPERTIES

### Odor and Appearance

Colored, highly viscous liquid / typical

<b>Boiling Point</b>	NI
<b>Specific Gravity</b>	1 - 1.54 %
<b>Melting Point</b>	NI
<b>Percent Volatile</b>	33 - 69 % By volume
<b>Vapor Pressure</b>	NI
<b>Evaporation Rate</b>	Slower
<b>Vapor Density</b>	NI
<b>Solubility In Water</b>	Negligible

## 10 STABILITY & REACTIVITY

### Stability/Incompatibility

Stable Strong acids, alkalis and oxidizing agents.

### Hazardous Reactions/Decomposition Products

Co2, co, various hydrocarbons, smoke and possibly other decomposition products.

### Hazardous Polymerization

Will not occur.

## 11 TOXICOLOGICAL INFORMATION

### Routes of Exposure

Routes of overexposure to this product include eye or skin contact or by inhalation or ingestion.

## 12 ECOLOGICAL INFORMATION

## 13 DISPOSAL CONSIDERATIONS

### Waste Disposal

Incinerate or bury in a rcra licensed facility. Do not discharge into waterways or sewer systems without proper authority. Container disposal: empty containers with less than 1 inch of residue may be landfilled at a licensed facility. Other containers that contain rcra listed materials must be disposed of in a rcra licensed facility.

## 14 TRANSPORT INFORMATION

## 15 REGULATORY INFORMATION

### NFPA Ratings

Health Flammability Reactivity Special Hazards

### HMIS Ratings

Health 1 Flammability 3 Reactivity 0 Personal Prot. Equip. B

### Following ingredients of this product are listed in SARA313

SARA Listed Ingredient Name	CAS Number	Maximum %
DIBUTYL PHTHALATE	84-74-2	
XYLENES	1330-20-7	
THYLBENZENE	100-41-4	

### Listed on the following Regulatory List(s)

SARA 313

**Listed on the following Regulatory List(s)**

SARA 313

SARA 313

## 16 OTHER INFORMATION

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**Completed On** 12/30/1997 **Replaces Sheet Dated**

**Completed By** TRANS TECH AMERICA, INC.