



# MATERIAL SAFETY DATA SHEET

## 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Trade Name** INK TYPE R NT  
**MSDS Number** 94  
**Supplier** ITW TRANS TECH  
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
CYCLOHEXANONE	108-94-1	10 - 20 %	ACGIH TLV: 25ppm -OSHA TWA-50ppm (MAK)
XYLENES	1330-20-7	10 - 20 %	OSHA PEL: 100ppm ACGIH TLV: 100ppm

### Composition Comments

\*\*This product does not contain any ingredients being classified toxic according to EU regulations\*\*

## 3 HAZARDS IDENTIFICATION

### Signs & Symptoms of Short-Term (Acute) Exposure

Harmful by inhalation and in contact with skin. In case of overexposure: Dizzy feeling, headache, redding of the skin, irritation of the eyes.

### Effects of Long-Term (Chronic) Exposure

May cause skin irritation.

## 4 FIRST AID MEASURES

### Skin

Wash immediately with soap and water. See a physician for medical treatment.

### Eye

Rinse immediately with plenty of water. See a physician for medical treatment.

### Inhalation

Fresh air supply.

### Ingestion

Call for medical assistance.

### Medical Conditions Aggravated by Exposure

Skin allergies.

## 5 FIRE FIGHTING MEASURES

### Hazardous Combustion Products

None known

### Extinguishing Media

Chemical powder, carbon dioxide and foam

### Basic Fire Fighting Procedures

Full protective equipment including self container breathing apparatus should be used. Foam in large quantities. Cool endangered containers with water.

### Unusual Fire & Explosion Hazards

Do not inhale fumes or decomposition products. Toxic gases may be generated by burning and by thermal decomposition.

**Flash Point** 25 °C Closed Cup

**Autolgnition Temperature** 315 °C

**Flammability Limits in Air, Lower, % by Volume** 1

**Flammability Limits in Air, Upper, % by Volume** 9.8

## 6 ACCIDENTAL RELEASE MEASURES

### Spill or Leak Procedure

Remove sources of ignition and ventilate polluted area. Take up remnants with liquid-binding material like sane, etc. All spills should be cleaned up immediately.

## 7 HANDLING & STORAGE

### Handling

Use only with skin and eye protection. Keep away from all sources of ignition. Avoid contact with skin, eyes and mucous membranes. Do not eat, drink or smoke during handling. Do not empty into drains.

### Storage

Keep away from ignition sources. Avoid contact with skin, eyes, and mucuous membranes. Keep away from sources of ignition. Do not empty into drains.

### Ventilation

Local exhaust: Yes

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Chemical resistant and splashproof safety goggles.

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

Chemical resistant gloves (rubber)

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

Use sufficient ventilation to keep vapor concentration below TLV-value.

### General

Do not eat, drink or smoke during handling. Remove and wash contaminated clothing before reuse.

## 9 PHYSICAL & CHEMICAL PROPERTIES

### Odor and Appearance

Colored paste with odor of organic solvent

<b>Boiling Point</b>	139 °C
<b>Specific Gravity</b>	1.1 - 1.6 depending on shade
<b>Melting Point</b>	Unknown
<b>Percent Volatile</b>	468 - 680 g/l (ingredients w/vapor pressure > 0.1 mbar)
<b>Vapor Pressure</b>	10 mbar
<b>Evaporation Rate</b>	NI
<b>Vapor Density</b>	3 - 4
<b>Solubility In Water</b>	Insoluable

## 10 STABILITY & REACTIVITY

### Stability/Incompatibility

Stable

Materials to Avoid: Strong oxidizers

### Hazardous Reactions/Decomposition Products

Unknown.

### Hazardous Polymerization

Will not occur.

## 11 TOXICOLOGICAL INFORMATION

### Routes of Exposure

Skin, eyes, ingestion, inhalation

## 12 ECOLOGICAL INFORMATION

## 13 DISPOSAL CONSIDERATIONS

### Waste Disposal

Dispose of in accordance with federal, state, and local regulations.

## 14 TRANSPORT INFORMATION

### Department of Transportation (DOT) Requirements:

#### General Transportation Information for Bulk Shipments

Proper Shipping Name    Printing Ink

UN/NA Code    1263

## 15 REGULATORY INFORMATION

### NFPA Ratings

Health                      Flammability                      Reactivity                      Special Hazards

### HMIS Ratings

Health 2                      Flammability 3                      Reactivity 0                      Personal Prot. Equip. B

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

SARA Listed Ingredient Name	CAS Number	Maximum %
XYLENES	1330-20-7	

Listed on the following Regulatory List(s)

SARA 313

## 16 OTHER INFORMATION

### Disclaimer

We believe the above information is correct as of the date of this data sheet. However, as this information and the conditions under which the product are used are beyond the control of ITW Trans Tech, it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.

**Completed On** 9/10/2009 **Replaces Sheet Dated** 6/23/2008

**Completed By**