



# MATERIAL SAFETY DATA SHEET

## 1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Trade Name** THINNER VD  
**MSDS Number** 372  
**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
1-METHOXY-2-PROPANOLACETATE	108-65-6	10 - 15 %	ACGIH 100 ppm 369 mg/m <sup>3</sup> 8 HR. TWA = 1000 mg/m <sup>3</sup> ACGIH 150 ppm 553 mg/m <sup>3</sup> 15 MIN/STEL
N-BUTYL ACETATE	123-86-4	15 - 20 %	OSHA PELs: 950 mg/m <sup>3</sup> ACGIH TLV: n.av.
AROMATIC HYDROCARBONS	64742-95-6	< 30 %	OSHA PEL: 50ppm ACGIH TLV: 50ppm
1,2,4-TRIMETHYL BENZENE	95-63-6	10 - 15 %	OSHA PEL: 25ppm ACGIH TLV: 25ppm OSHA/NIOSH IDLH TLV*: Not established.
XYLENES	1330-20-7	< 4 %	OSHA PEL: 100ppm ACGIH TLV: 100ppm
CYCLOHEXANONE	108-94-1	20 - 30 %	ACGIH TLV: 400 mg/cm <sup>3</sup>

## 3 HAZARDS IDENTIFICATION

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

Dizziness, irritation of mucous membranes

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

Respiratory tract irritation, depression of the central nervous system.

## 4 FIRST AID MEASURES

### Skin

Wash immediately with soap and water. Remove and launder contaminated clothing before reuse.

### Eye

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

### **Inhalation**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### **Ingestion**

Do not induce vomiting. Call a physician. Never give anything by mouth to an unconscious person.

### **Medical Conditions Aggravated by Exposure**

Ingestion: Nausea, vomiting. Diarrhea. Irritation of gastrointestinal tract. Skin Absorption: Absorption of harmful amounts. Inhalation or ingestion: prolonged exposure to vapors may cause dizziness, headache, nausea, confusion or vomiting. Skin contact, especially if prolonged, may cause irritation, rash or chemical burn to the contacted area. Eye Contact: Severe irritation. Chemical burns. Lacrimation, redness.

### **Notes to Physician**

Aspirated material may cause severe lung damage and may present a significant hazard. Stomach contents should be evacuated quickly in a manner which avoids aspiration. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

## **5 FIRE FIGHTING MEASURES**

### **Extinguishing Media**

Carbon dioxide, dry chemical, alcohol foam, universal foam, waterspray.

### **Basic Fire Fighting Procedures**

Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool fire-exposed containers and structures.

### **Unusual Fire & Explosion Hazards**

Vapors form from this product and may settle in low places, travel along the ground, or move by air currents to be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges, or other ignition sources at locations distant from handling point. If storage containers are exposed to excessive heat, over pressurization may result.

**Flash Point** 78 °F

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

## **6 ACCIDENTAL RELEASE MEASURES**

### **Spill or Leak Procedure**

Contact fire authorities.

## **7 HANDLING & STORAGE**

### **Handling**

Harmful if swallowed. Avoid skin or eye contact. Avoid exposure to vapors. Avoid inhalation. Use only with adequate ventilation. Keep product away from ignition sources, such as heat, sparks, pilot lights, static electricity, and open flames. Wash thoroughly with mild soap and water after handling. Keep container tightly closed.

### **Storage**

Store in a cool, ventilated location. Hot surfaces may ignite product in the absence of sparks or flames. Keep container tightly sealed when not in use. Do not smoke in the vicinity of product. Ground and bond metal containers during liquid transfer. For industrial use only. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

### **Ventilation**

General (mechanical) room ventilation to maintain vapor levels below TLV is expected to be satisfactory. Keep this product in closed equipment. Special, local ventilation is needed at points where vapors or mists are expected to escape to the work place air.

## **8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

Chemical goggles or safety glasses.

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

Use solvent proof rubber gloves.

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

Use approved NIOSH respiratory protection if TLV exceeded... or over exposure is likely.

**General**

Other protective equipment: eye bath and shower should be available. Wear appropriate clothing to prevent repeated or prolonged skin contact.

## 9 PHYSICAL & CHEMICAL PROPERTIES

**Odor and Appearance**

Clear liquid with odor of organic solvents

**Boiling Point** 259 - 342 F

**Specific Gravity** 0.9

**Percent Volatile** 100 % by volume: Weight/Gallon 7.56 lbs/gal.

**Vapor Pressure** 9 %

**Evaporation Rate** Slower than ether.

**Vapor Density** Heavier than air.

**Solubility In Water** Not soluble

## 10 STABILITY & REACTIVITY

**Stability/Incompatibility**

Stable

**Hazardous Reactions/Decomposition Products**

Carbon dioxide, carbon monoxide.

**Hazardous Polymerization**

Will not occur

## 11 TOXICOLOGICAL INFORMATION

**Routes of Exposure**

Eyes, skin contact or by inhalation.

## 12 ECOLOGICAL INFORMATION

## 13 DISPOSAL CONSIDERATIONS

**Waste Disposal**

Dispose of in accordance with federal, state and local regulations. Incinerate in EPA approved manner according to State and Local Regulations.

## 14 TRANSPORT INFORMATION

**Department of Transportation (DOT) Requirements:****General Transportation Information for Bulk Shipments**

Proper Shipping Name	Paint Related Material	UN/NA Code	1263
Hazard Class	3		
Packaging Group	Class III		
Labels Required	Flammable Liquid		

**15 REGULATORY INFORMATION****NFPA Ratings**

Health	Flammability	Reactivity	Special Hazards
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**HMIS Ratings**

Health 2	Flammability 3	Reactivity 0	Personal Prot. Equip. C
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**Following ingredients of this product are listed in SARA313**

SARA Listed Ingredient Name	CAS Number	Maximum %
XYLENES	1330-20-7	4.0
1,2,4-TRIMETHYL BENZENE	95-63-6	15.0
CYCLOHEXANONE	108-94-1	30.0

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

SARA 313  
SARA 313  
SARA 313

**16 OTHER INFORMATION****Disclaimer**

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ITW Trans Tech. The data on this sheet applies only to the specific material designated herein. ITW Trans Tech. assumes no legal responsibility for use of reliance upon this data.

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<b>Completed By</b>	ITW TRANS TECH		