



MSDS030

Trans Tech VD Thinner

MATERIAL SAFETY DATA SHEET

Chemical Product and Company Identification

LABEL IDENTIFIER: TransTech® VDThinner

PRODUCT IDENTIFIER: P/N 601874 Thinner, Epoxy Paint

COMPANY IDENTIFICATION: MINE SAFETY APPLIANCES COMPANY
P.O. Box 439
Pittsburgh, PA 15230
CUSTOMER SERVICE: 1-800-MSA-2222 (8:30 a.m. – 5:00 p.m., USA local time)
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

Vendor Information

A Material Safety Data Sheet as furnished by Trans Tech America, Inc. for Thinner VD is attached (4 Pages).

Trans Tech America, Inc. MSDS REVISION DATE: 11/12/98

Other Information

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using or storing this product.



MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

TRADE NAME: THINNER VD
CAS NUMBER:
MSDS NUMBER: 372 VERSION NUMBER: 4
PRODUCT CODE:
SYNONYMS:
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
1-METHOXY-2-PROPANOLACE	108-65-6	> 9 %	
N-BUTYL ACETATE	123-85-4	> 9 %	OSHA PEL: 150ppm ACGIH TLV: 710mg/m3
AROMATIC HYDROCARBONES	64742-94-5	> 9 %	OSHA PEL: 50ppm ACGIH TLV: 50ppm
1,2,4-TRIMETHYL BENZENE	95-63-6	> 9 %	OSHA PEL: 25ppm ACGIH TLV: 25ppm
ISOPROPYLBENZENE	98-82-8	< 8 %	OSHA PEL: 50ppm ACGIH TLV: 50ppm
XYLENES	1330-20-7	< 9 %	OSHA PEL: 100ppm ACGIH TLV: 435mg/m3
CYCLOHEXANONE	108-94-1	> 9 %	OSHA PEL: 25ppm ACGIH TLV: 25ppm

*Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time.

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.

ND = No Data NA = Not Applicable
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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

Autoignition Temperature:

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

Flammability Limits in Air, Upper, % by Volume:

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.

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 C
Specific Gravity:
Melting Point:
Percent Volatile: 100 % by volume: Weight/Gallon 7.56 lbs/gal.
Vapor Pressure:
Vapor Density: Heavier than air.
Viscosity:
Evaporation Rate: Slower than ether.

Solubility in Water: Not soluble
Octanol/Water Part:
Volatile Organic:
Pour Point:
pH Value:
Bulk Density:
Freezing Point:

Molecular Formula:
Molecular Weight:
Chemical Family:
Odor Threshold:

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
Hazard Class: 3
Packaging Group: Class III
Labels Required: Flammable Liquid
Placards Required:
Reportable Quantity: UN/NA Code: 1263

General Transportation Information for Non-Bulk Shipments

Proper Shipping Name:
Hazard Class:
Packaging Group: UN/NA Code:
Labels Required:
Placards Required:
Reportable Quantity:

15 REGULATORY INFORMATION

SARA TITLE III RATINGS:

Immediate Hazard: Delayed Hazard: Fire Hazard: Pressure Hazard:
Reactivity Hazard:

WHMIS RATINGS:

Compressed Gas: Flammable / Combustible: Oxidizer: Acutely Toxic:
Other Toxic Effects: Bio Hazardous: Corrosive: Dangerously Reactive:

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NFPA RATINGS:

Health:

Flammability:

Reactivity:

Special Hazards:

HMS RATINGS:

Health:

2

Flammability:

3

Reactivity: 0

Personal Prot. Equip: C

Following ingredients of this product are listed in SARA313:

SARA Listed Ingredient Name	CAS Number	Maximum %
1,2,4-TRIMETHYL BENZENE	95-63-6	8.7000
ISOPROPYL BENZENE	98-82-8	2.0000
XYLENES	1330-20-7	4.0000

16 OTHER INFORMATION

Disclaimer

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

Completed On: 11/12/96

Replaces Sheet Dated: 11/12/86

Completed By: TRANS TECH AMERICA, INC.

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