



SDS030

Trans Tech VD Thinner

SAFETY DATA SHEET

Identification

LABEL IDENTIFIER: TransTech® VDT thinner

PRODUCT IDENTIFIER: P/N 601874 Thinner, Epoxy Paint

COMPANY IDENTIFICATION: MSA Safety Incorporated
1000 Cranberry Woods Drive
Cranberry Township, PA 16066
CUSTOMER SERVICE: 1-800-MSA-2222 (8:00 a.m. – 5:00 p.m., USA local time)
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

Supplier Information

A Safety Data Sheet as furnished ITW Trans Tech for Thinner VD is attached (8 pages).

ITW Trans Tech SDS REVISION DATE: 03/04/2015

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. MSA Safety 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.

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.

THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this SDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: VD THINNER
NEW MSDS DATE: 03/04/2011
COMPANY IDENTITY: ITW TRANS TECH
COMPANY ADDRESS: 475 North Gary Avenue
COMPANY CITY: Carol Stream, IL 60188
COMPANY PHONE: 1-630-752-4000
EMERGENCY PHONES: 1-352-323-3500

SECTION 2. HAZARDS IDENTIFICATION

WARNING!



EXPOSURE PREVENTION: STRICT HYGIENE! AVOID ALL CONTACT!
PREVENT DISPERSION OF MISTS OR DUST!

RISK STATEMENTS:

- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R60 May impair fertility.
R61 May cause harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R10a Combustible (North America). Flammable (elsewhere).

SAFETY STATEMENTS:

- S2 Keep out of the reach of children.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33 Take precautionary measures against static discharges.
S45 In case of accident, or if you feel unwell, seek medical advice immediately. (Show the label where possible).
S53 Avoid exposure - Obtain special instructions before use.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| MATERIAL | CAS# | EINECS# | WT % |
|------------------------------|-------------|----------------|-------------|
| Cyclohexanone | 108-94-1 | 203-631-1 | 25-35 |
| Light Aromatic Naphtha | *64742-95-6 | - | 20-30 |
| n-Butyl Acetate | 123-86-4 | 204-658-1 | 10-20 |
| 1,2,4-Trimethylbenzene | 95-63-6 | 202-436-9 | 10-20 |
| 1-Methoxy-2-Propanol Acetate | 108-65-6 | - | 5-15 |
| Xylenes | 1330-20-7 | 215-535-7 | 0- 5 |

SECTION 4. FIRST AID MEASURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

SWALLOWING:

Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting.
GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

SECTION 5. FIRE FIGHTING MEASURES

FIRE & EXPLOSION PREVENTIVE MEASURES

NO open flames, NO sparks, & NO smoking. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting. Do NOT use compressed air for filling, discharging, or handling.

EXTINGUISHING MEDIA

Use dry powder, AFFF, alcohol-resistant foam, water spray, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

SECTION 5. FIRE FIGHTING MEASURES (CONTINUED)

UNUSUAL EXPLOSION AND FIRE PROCEDURES

FLAMMABLE!! VAPORS CAN CAUSE FLASH FIRE

Isolate from oxidizers, heat, sparks, electric equipment & open flame.
Closed containers may explode if exposed to extreme heat.
Applying to hot surfaces requires special precautions.
Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE MEASURES:

Keep unprotected personnel away. Ventilate spill area. Remove all ignition sources.
Filter respirator for organic vapors.

ENVIRONMENTAL PRECAUTIONS:

Do NOT let this chemical enter the environment.
Keep from entering storm sewers and ditches which lead to waterways.

CONTAINMENT AND CLEAN-UP MEASURES:

Stop spill at source. Dike and contain.
Absorb remaining liquid in sand or inert absorbent.
Remove to safe place.

SECTION 7. HANDLING AND STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.
Use only with adequate ventilation. Avoid breathing of vapor or spray mist.
Avoid contact with skin & eyes.
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.
Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!
To minimize static discharge when transferring, ensure electrical continuity by bonding and grounding all equipment. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second.

STORAGE

Keep in fireproof surroundings. Keep separated from strong oxidants, strong acids, strong bases, food & feedstuffs. Keep cool. Keep in the dark.
Keep inside a well-ventilated room. Do not store above 49 C/120 F.
Keep container tightly closed & upright when not in use to prevent leakage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| MATERIAL | CAS# | EINECS# | TWA (OSHA) | TLV (ACGIH) |
|------------------------------|-------------|-----------|------------|-------------|
| Cyclohexanone | 108-94-1 | 203-631-1 | 50 ppm S | 25 ppm S A4 |
| Light Aromatic Naphtha | *64742-95-6 | - | 100 ppm | 25 ppm |
| n-Butyl Acetate | 123-86-4 | 204-658-1 | 150 ppm | 150 ppm |
| 1,2,4-Trimethylbenzene | 95-63-6 | 202-436-9 | 25 ppm | 25 ppm |
| 1-Methoxy-2-Propanol Acetate | 108-65-6 | - | 100 ppm S | 5 ppm S |
| Xylenes | 1330-20-7 | 215-535-7 | 100 ppm | 100 ppm |

| MATERIAL | CAS# | EINECS# | CEILING | STEL(OSHA/ACGIH) | HAP |
|------------------------------|-----------|-----------|------------|------------------|-----|
| n-Butyl Acetate | 123-86-4 | 204-658-1 | None Known | 200 ppm | No |
| 1,2,4-Trimethylbenzene | 95-63-6 | 202-436-9 | None Known | None Known | Yes |
| 1-Methoxy-2-Propanol Acetate | 108-65-6 | - | None Known | None Known | Yes |
| Xylenes | 1330-20-7 | 215-535-7 | None Known | 150 ppm | Yes |

In addition, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%): Benzene, Toluene, Polycyclic Aromatics, Glycol Ether PM Acetate

RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Acceptable
SPECIAL: None OTHER: None
Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.
Wash at end of each workshift & before eating, smoking or using the toilet.
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|--|--------------------------------------|
| APPEARANCE: | Liquid, Water-White |
| ODOR: | Ketone |
| ODOR THRESHOLD: | Not Available |
| pH (Neutrality): | Not Applicable |
| MELTING POINT/FREEZING POINT: | Not Available |
| BOILING RANGE (IBP,50%,Dry Point): | 124 153 172 C / 256 308 342 F |
| FLASH POINT (TEST METHOD): | 35.5 C / >96 F (TCC) |
| EVAPORATION RATE (n-BUTYL ACETATE=1): | 0.397 |
| FLAMMABILITY CLASSIFICATION: | Class I C |
| LOWER FLAMMABLE LIMIT IN AIR (% by vol): | 1.2 |
| UPPER FLAMMABLE LIMIT IN AIR (% by vol): | Not Available |
| VAPOR PRESSURE (mm of Hg)@20 C | 4.0 |
| VAPOR DENSITY (air=1): | 3.9 |
| GRAVITY @ 68/68 F / 20/20 C: | |
| SPECIFIC GRAVITY (Water=1): | 0.907 |
| POUNDS/GALLON: | 7.554 |
| WATER SOLUBILITY: | Moderate |
| PARTITION COEFFICIENT (n-Octane/Water): | Not Available |
| AUTO IGNITION TEMPERATURE: | 420 C / 788 F |
| DECOMPOSITION TEMPERATURE: | Not Available |
| REFRACTIVE INDEX: | 1.457 |
| MIXED ANILINE POINT (Acid Insol): | 12 C / 54 F |
| VOC'S (>0.44 Lbs/Sq In) : | 17.4 Vol% / 157.5 g/L / 1.3 Lbs/Gal |
| TOTAL VOC'S (TVOC)*: | 100.0 Vol% / 906.9 g/L / 7.5 Lbs/Gal |
| NONEXEMPT VOC'S (CVOC)*: | 100.0 Vol% / 906.9 g/L / 7.5 Lbs/Gal |
| HAZARDOUS AIR POLLUTANTS (HAPS): | 27.6 Wt% / 241.6 g/L / 2.0 Lbs/Gal |
| NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) | 4.0 |

* Using California South Coast Air Quality Management District (SCAQMD) Rule 443.1.

SECTION 10. STABILITY & REACTIVITY

STABILITY

Stable under normal conditions.

CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID

On combustion forms irritating and toxic gases including carbon monoxide, reacts violently with strong oxidants, strong acids, strong bases, causing fire & explosion hazard. Attacks many plastics, rubber, coatings.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.
Primary irritation to eyes, redness, tearing, blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause harm to kidneys, blood, nerves, liver, lungs. Use of alcoholic beverages enhances the harmful effect.

SWALLOWING:

Harmful or fatal if swallowed.
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED

Chronic overexposure can cause harm to kidneys, blood, nerves, liver, lungs. Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Lung tumors have been reported in laboratory mice. Leukemia been reported in humans from Benzene. This product contains less than 25 ppm of Benzene. Not considered hazardous in such low concentrations. Absorption thru skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus. & reproductive system. Depending on degree of exposure, periodic medical examination is indicated.

MAMMALIAN TOXICITY INFORMATION

| MATERIAL | CAS# | EINECS# | LOWEST KNOWN LETHAL DOSE DATA |
|---------------|----------|---------|--|
| Cyclohexanone | 108-94-1 | - | LOWEST KNOWN LD50 (ORAL) 1620.0 mg/kg(Rats) |
| Cyclohexanone | 108-94-1 | - | LOWEST KNOWN LD50 (SKIN) 1000.0 mg/kg (Rabbits) |

SECTION 12. ECOLOGICAL INFORMATION

AQUATIC ANIMAL INFORMATION:

The most sensitive known aquatic group to any component of this product is:
Fish are adversely affected by components of this product.
The substance is toxic to aquatic organisms.
Bioaccumulation of this chemical may occur in aquatic animals.

MOBILITY IN SOIL

This material is a mobile liquid.

DEGRADABILITY

This product is partially biodegradable.

ACCUMULATION

This product does not accumulate or biomagnify in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options.
Recycle / dispose of observing national, regional, state, provincial and local
health, safety & pollution laws. If in doubt, contact appropriate agencies.

SECTION 14. TRANSPORT INFORMATION

DOT SHIPPING NAME: UN1263, RQ, Paint Related Material,
3, PG-III

IATA / ICAO: UN1263, Paint Related Material
(Contains: Cyclohexanone, Xylene), 3, PG-III
IMO / IMDG: UN1263, Paint Related Material
(Contains: Cyclohexanone, Xylene), 3, PG-III
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128



> 12324 LB / 5601 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF XYLENES.

SECTION 15. REGULATORY INFORMATION

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

| SARA TITLE III INGREDIENTS | CAS# | EINECS# | WT% | (REG. SECTION) | RQ(LBS) |
|-------------------------------|-----------|-----------|-------|--------------------|---------|
| Cyclohexanone | 108-94-1 | 203-631-1 | 25-35 | (311,312,RCRA) | 5000 |
| n-Butyl Acetate | 123-86-4 | 204-658-1 | 10-20 | (311,312) | 5000 |
| *1-Methoxy-2-Propanol Acetate | 108-65-6 | - | 5-15 | (311,312,313,RCRA) | None |
| *Xylenes | 1330-20-7 | 215-535-7 | 0- 5 | (311,312,313,RCRA) | 100 |

SECTION 15. REGULATORY INFORMATION (CONTINUED)

- > 12324 LB / 5601 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF XYLENES. Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause reproductive toxicity: None

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL, NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B2: Flammable Liquid.
D2B: Irritating to skin / eyes.

SECTION 16. OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 2, FLAMMABILITY: 3, REACTIVITY: 0
(Personal Protection Rating to be supplied by user based on use conditions.)
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.