



Material Safety Data Sheet - MSDS

PVC Primer (PR16)

Section 1. Manufacturer Identification

Manufacturer's Name & Address:

L.H. Dottie
6131 S. Garfield Ave.
Commerce, CA 90040

Emergency Telephone Number:

1-800-255-3924

Date Revised: December 2011

Section 2. Hazards Identification

GHS CLASSIFICATION:

Acute Toxicity: Skin Irritation: Skin Sensitization: Eye:	Health Category 4 Category 3 NO Category 2B	Acute Toxicity: Chronic Toxicity:	Environmental None Known None Known	Flammable Liquid	Physical Category 2
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GHS LABEL:



OR



Signal Word:
Danger

WHMIS CLASSIFICATION: CLASS B, DIVISION 2

Hazard Statements

H225: Highly flammable liquid and vapor
H319: Causes serious eye irritation
H332: Harmful if inhaled
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness
EUH019: May form explosive peroxides

Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection
P504+P540: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P403+P233: Store in a well ventilated place. Keep container tightly closed
P501: Dispose of contents/container in accordance with local regulation

Section 3. Composition / Information on Ingredients

	CAS#	EINECS #	REACH Pre-registration Number	CONCENTRATION % by Weight
Tetrahydrofuran (THF)	109-99-8	203-726-8	05-2116297729-22-0000	20 - 35
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	05-2116297728-24-0000	15 - 25
Cyclohexanone	108-94-1	203-631-1	05-2116297718-25-0000	10 - 30
Acetone	67-64-1	200-662-2	05-2116297713-35-0000	25 - 40

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing.
* Indicates this chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).
Indicates that this chemical is found on Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity.

Section 4. First Aid Measures

Contact with eyes:

Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.

Skin contact:

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.

Inhalation:

Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.

Ingestion:

Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:	Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.	Health	2	2	0-Minimal
Unsuitable Extinguishing Media:	Water spray or stream.	Flammability	3	3	1-Slight
Exposure Hazards:	Inhalation and dermal contact	Reactivity	0	0	2-Moderate
Combustion Products:	Oxides of carbon, hydrogen chloride and smoke	PPE	B		3-Serious
Protection for Firefighters:	Self-contained breathing apparatus or full-face positive pressure airline masks.				

Section 6. Accidental Release Measures

Personal precautions:	Keep away from heat, sparks and open flame. Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment. Prevent contact with skin or eyes (see section 8).
Environmental Precautions:	Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
Methods for Cleaning up:	Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.
Materials not to be used for clean up:	Aluminum or plastic containers

Section 7. Handling and Storage

Handling:	Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods. Do not eat, drink or smoke while handling.
Storage:	Store in ventilated room or shade below 44 °C (110 °F) and away from direct sunlight. Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates. Follow all precautionary information on container label, product bulletins and solvent cementing literature.

Section 8. Control Exposure / Personal Protection

EXPOSURE LIMITS:	<table><tr><th>Component</th><th>ACGIH TLV</th><th>ACGIH STEL</th><th>OSHA PEL</th><th>OSHA STEL</th></tr><tr><td>Tetrahydrofuran (THF)</td><td>50 ppm</td><td>100 ppm</td><td>200 ppm</td><td></td></tr><tr><td>Methyl Ethyl Ketone (MEK)</td><td>200 ppm</td><td>300 ppm</td><td>200 ppm</td><td></td></tr><tr><td>Cyclohexanone</td><td>20 ppm</td><td>50 ppm</td><td>50 ppm</td><td></td></tr><tr><td>Acetone</td><td>500 ppm</td><td>750 ppm</td><td>1000 ppm</td><td></td></tr></table>	Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL	Tetrahydrofuran (THF)	50 ppm	100 ppm	200 ppm		Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm		Cyclohexanone	20 ppm	50 ppm	50 ppm		Acetone	500 ppm	750 ppm	1000 ppm	
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Engineering Controls:	Use local exhaust as needed.																									
Monitoring:	Maintain breathing zone airborne concentrations below exposure limits.																									
Personal Protective Equipment (PPE):																										
Eye Protection:	Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.																									
Skin Protection:	Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion. Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.																									
Respiratory Protection:	Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.																									

Section 9. Physical and Chemical Properties

Appearance:	Clear or purple, thin liquid	Odor Threshold:	0.88 ppm (Cyclohexanone)
Odor:	Ethereal		
pH:	Not Applicable		
Melting/Freezing Point:	-108.5 °C (-163.3 °F) Based on first melting component: THF	Boiling Range:	56 °C (133 °F) to 156 °C (313 °F)
Boiling Point:	56 °C (133 °F) Based on first boiling component: Acetone	Evaporation Rate:	> 1.0 (BUAC = 1)
Flash Point:	-20 °C (-4 °F) TCC based on Acetone	Flammability:	Category 2
Specific Gravity:	0.842 @23 °C (73 °F)	Flammability Limits:	LEL: 1.1% based on Cyclohexanone UEL: 12.8% based on Acetone
Solubility:	Solvent portion soluble in water. Resin portion separates out.	Vapor Pressure:	190 mm Hg @ 20 °C (68 °F) Acetone
Partition Coefficient n-octanol/water:	Not Available	Vapor Density:	>2.0 (Air = 1)
Auto-ignition Temperature:	321 °C (610 °F) based on THF	Other Data: Viscosity:	Water-thin
Decomposition Temperature:	Not Applicable		
VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 550 g/L.		

Section 10. Stability and Reactivity

Stability:	Stable
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.
Conditions to avoid:	Keep away from heat, sparks, open flame and other ignition sources.
Incompatible Materials:	Oxidizers, strong acids and bases, amines, ammonia

Section 11. Toxicology Information

Likely Routes of Exposure:	Inhalation, Eye and Skin Contact				
Acute symptoms and effects:	Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.				
Inhalation:	Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.				
Eye Contact:	Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.				
Skin Contact:	May cause nausea, vomiting, diarrhea and mental sluggishness.				
Ingestion:	None known to humans				
Chronic (long-term) effects:	LD ₅₀				
Toxicity:	LC ₅₀				
Tetrahydrofuran (THF)	Oral: 2842 mg/kg (rat)	Inhalation 3 hrs. 21,000 mg/m ³ (rat)			
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 5490 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m ³ (rat)			
Cyclohexanone	Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)	Inhalation 4 hrs. 8,000 PPM (rat)			
Acetone	Oral: 5800 mg/kg (rat)	Inhalation 50,100 mg/m ³ (rat)			
Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

Section 12. Ecological Information

Ecotoxicity:	None Known
Mobility:	In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of ≤ 510 g/l.
Degradability:	Biodegradable
Bioaccumulation:	Minimal to none.

Section 13. Waste Disposal Considerations

Follow local and national regulations. Consult disposal expert.

Section 14. Transport Information

Proper Shipping Name:	Adhesives
Hazard Class:	3
Secondary Risk:	None
Identification Number:	UN 1133
Packing Group:	PG II
Label Required:	Class 3 Flammable Liquid
Marine Pollutant:	NO

EXCEPTION for Ground Shipping	
DOT Limited Quantity: Up to 5L per inner packaging, 30 kg gross weight per package.	
Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as "ORM-D".	

TDG INFORMATION	
TDG CLASS:	FLAMMABLE LIQUID 3
SHIPPING NAME:	ADHESIVES
UN NUMBER/PACKING GROUP:	UN 1133, PG II

Section 15. Regulatory Information

Precautionary Label Information: Highly Flammable, Irritant
Symbols: F, Xi

Risk Phrases: R11: Highly flammable.
R20-Harmful by inhalation.
R36/37: Irritating to eyes and respiratory system.

Safety Phrases: S9: Keep container in a well-ventilated place.
S16: Keep away from sources of ignition - No smoking.
S25: Avoid contact with eyes.

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia
AICS, Korea ECL/TCCL, Japan MITI (ENCS)

R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapors may cause drowsiness and dizziness.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33: Take precautionary measures against static discharges.
S46: If swallowed, seek medical advice immediately and show this container or label.