

Material Safety Data Sheet

Issuing Date 23-Sep-2011 Revision Date Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 1045TP TMT PRIMER

UN-Number UN1263

Recommended Use Primers

Product Technology S/B

Supplier Address

Ennis Paint Inc.
5910 North Central Expressway

Suite 1050 Dallas TX 75206 T: 800.331.8118

800.331.8118 (For Technical Inquiries)

Chemical Emergency Phone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

DANGER!

Emergency Overview

Flammable liquid

Harmful if swallowed, inhaled, or absorbed through skin
Irritating to eyes, respiratory system and skin
ration becard if swallowed, can enter lungs and cause damage

Aspiration hazard if swallowed - can enter lungs and cause damage

Causes central nervous system depression. Contains a known or suspected carcinogen

WARNING! This product contains a chemical known in the State of California to cause cancer and birth defects or other reproductive harm.

Appearance Clear to whitePhysical State Liquid.Odor Solvent

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact. Inhalation.

Acute Toxicity

Eyes Moderately irritating to the eyes

Skin Irritating to skin. Harmful in contact with skin.

Inhalation Irritating to respiratory system. May cause central nervous system depression with nausea,

headache, dizziness, vomiting, and incoordination.

Ingestion Harmful if swallowed. Potential for aspiration if swallowed. Aspiration may cause pulmonary

edema and pneumonitis. Ingestion may cause irritation to mucous membranes. May cause

additional affects as listed under "Inhalation".

Chronic Effects Prolonged skin contact may defat the skin and produce dermatitis. Ethylbenzene has been

classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands.

Aggravated Medical Conditions

Exposure to chlorinated hydrocarbons, such as chloroform and trichloroethane, may increase toxic effects. Central nervous system. Pre-existing eye disorders. Skin disorders. Respiratory

disorders.

Interactions with Other Chemicals Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Acetone	67-64-1	60-100
Xylene	1330-20-7	1-5
Ethyl benzene	100-41-4	0.1-1
Toluene	108-88-3	<0.1

4. FIRST AID MEASURES

Show this safety data sheet to the doctor in attendance. General Advice

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. Call a physician immediately.

Skin Contact Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing

before re-use. Get medical attention immediately if symptoms occur.

Inhalation Move to fresh air. If not breathing, give artificial respiration. Administer oxygen if breathing is

difficult and you are trained. Seek immediate medical attention/advice.

Ingestion Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an

unconscious person. Call a physician or Poison Control Center immediately.

Notes to Physician Aspiration hazard. Treat symptomatically.

Protection of First-aiders Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties Highly flammable liquid and vapor

Flash Point 0°F / -18°C (Acetone)

Suitable Extinguishing Media Carbon dioxide (CO₂). Foam. Dry chemical. Water spray.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Explosion Data

Sensitivity to Mechanical Impact None Sensitivity to Static Discharge

Yes.

Specific Hazards Arising from the

Chemical

Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors form explosive mixtures with air: indoors, outdoors, and sewers explosion hazards Vapors may travel to source of ignition and flash back.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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NFPA Health Hazard 2 Flammability 3 Instability 0 Physical and Chemical

Hazards -

HMIS Health Hazard 2* Flammability 3 Physical Hazard 0 Personal Protection X

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Take precautionary measures against static discharges. All equipment used when handling the

product must be grounded. Use personal protective equipment.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

not flush into surface water or sanitary sewer system.

Methods for Containment Dike far ahead of liquid spill for later disposal. A vapor suppressing foam may be used to

reduce vapors.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal

binder, sawdust). Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Take precautionary

measures against static discharges. Use only in an area containing flame proof equipment. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing.

Storage Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly

closed in a cool, well-ventilated place. Keep in properly labeled containers.

^{*}Indicates a chronic health hazard.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl benzene	STEL: 125 ppm	TWA: 100 ppm	IDLH: 800 ppm
100-41-4	TWA: 100 ppm	TWA: 435 mg/m ³	TWA: 100 ppm
		(vacated) TWA: 100 ppm	TWA: 435 mg/m ³
		(vacated) TWA: 435 mg/m ³	STEL: 125 ppm
		(vacated) STEL: 125 ppm	STEL: 545 mg/m ³
		(vacated) STEL: 545 mg/m ³	
Xylene	STEL: 150 ppm	TWA: 100 ppm	
1330-20-7	TWA: 100 ppm	TWA: 435 mg/m ³	
		(vacated) TWA: 100 ppm	
		(vacated) TWA: 435 mg/m ³	
		(vacated) STEL: 150 ppm	
		(vacated) STEL: 655 mg/m ³	
Acetone	STEL: 750 ppm	TWA: 1000 ppm	IDLH: 2500 ppm 10% LEL
67-64-1	TWA: 500 ppm	TWA: 2400 mg/m ³	TWA: 250 ppm
		(vacated) TWA: 750 ppm	TWA: 590 mg/m ³
		(vacated) TWA: 1800 mg/m ³	
		(vacated) STEL: 2400 mg/m³The	
		acetone STEL does not apply to the	
		cellulose acetate fiber industry. It is in	
		effect for all other sectors	
		(vacated) STEL: 1000 ppm	

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962

(11th Cir., 1992).

Engineering Measures Showers

Eyewash stations Ventilation systems

Personal Protective Equipment

Eye/Face Protection Skin and Body Protection Respiratory Protection Tightly fitting safety goggles.

Wear protective gloves and additional protective clothing as necessary to prevent exposures. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance

with current local regulations.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and

clothing.

No information available.

No information available

No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Autoignition Temperature

Explosion Limits

Boiling Point/Boiling Range

AppearanceClear to white.OdorSolvent.Odor ThresholdNo information availablePhysical StateLiquid

pH No information available.

Flash Point 0°F / -18°C (Acetone)

Decomposition Temperature No information available.

Melting Point/Range No information available

Flammability Limits in Air (For Acetone)

 Upper
 13

 Lower
 2.1

SolubilityNo information available.Evaporation RateNo information availableVapor PressureNo data available.Vapor DensityNo data available.

VOC Content (%) 75.4248

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products Strong acids. Strong oxidizing agents. Chlorinated compounds.

Conditions to Avoid Heat, flames and sparks.

Hazardous Decomposition Products Carbon oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

No acute toxicity information is available for this product.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xylene	= 4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	= 47635 mg/L (Rat)4 h
-			= 5000 ppm (Rat) 4 h
Acetone	= 5800 mg/kg (Rat)	1700mg/kg (rabbit)	18892 mg/m ³

Chronic Toxicity

Chronic Toxicity

Prolonged skin contact may defat the skin and produce dermatitis. Ethylbenzene has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B). Prolonged or repeated overexposure to ethylbenzene may result in adverse effects to the kidneys, liver, respiratory system, thyroid, testicles, and pituitary glands.

Carcinogenicity

This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical Name	ACGIH	IARC	NTP	OSHA
Xylene		Group 3	-	-
Ethyl benzene	A3	Group 2B		X
Toluene		Group 3	-	_

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3: Not Classifiable as to its Carcinogenicity to Humans OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects

Central nervous system (CNS). Respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	
Acetone		LC50 96 h: 4.74 - 6.33 mL/L	EC50 = 14500 mg/L 15 min	EC50 48 h: 10294 - 17704
		(Oncorhynchus mykiss)		mg/L Static (Daphnia magna)
		LC50 96 h: 6210 - 8120 mg/L		EC50 48 h: 12600 - 12700
		static (Pimephales promelas)		mg/L (Daphnia magna)
		LC50 96 h: = 8300 mg/L		
		(Lepomis macrochirus)		
Xylene		LC50 96 h: 13.1 - 16.5 mg/L	EC50 = 0.0084 mg/L 24 h	LC50 48 h: = 0.6 mg/L
		flow-through (Lepomis		(Gammarus lacustris)
		macrochirus)		EC50 48 h: = 3.82 mg/L
		LC50 96 h: 13.5 - 17.3 mg/L		(water flea)
		(Oncorhynchus mykiss)		
		LC50 96 h: 2.661 - 4.093		
		mg/L static (Oncorhynchus		
		mykiss)		
		LC50 96 h: 23.53 - 29.97		
		mg/L static (Pimephales		
		promelas)		
		LC50 96 h: 30.26 - 40.75		
		mg/L static (Poecilia		
		reticulata)		
		LC50 96 h: 7.711 - 9.591 mg/L static (Lepomis		
		macrochirus)		
		LC50 96 h: = 13.4 mg/L flow-		
		through (Pimephales		
		promelas)		
		LC50 96 h: = 19 mg/L		
		(Lepomis macrochirus)		
		LC50 96 h: = 780 mg/L semi-		
		static (Cyprinus carpio)		
		LC50 96 h: > 780 mg/L		
		(Cyprinus carpio)		
Ethyl benzene	EC50 96 h: 1.7 - 7.6 mg/L	LC50 96 h: 11.0-18.0 mg/L	EC50 = 9.68 mg/L 30 min	EC50 48 h: 1.8 - 2.4 mg/L
Euryi Berizerie	static (Pseudokirchneriella	static (Oncorhynchus mykiss)	EC50 = 96 mg/L 24 h	(Daphnia magna)
	subcapitata)	LC50 96 h: 7.55-11 mg/L		(Bapinia magna)
	EC50 72 h: 2.6 - 11.3 mg/L	flow-through (Pimephales		
	static (Pseudokirchneriella	promelas)		
	subcapitata)	LC50 96 h: 9.1-15.6 mg/L		
	EC50 72 h: = 4.6 mg/L	static (Pimephales promelas)		
	(Pseudokirchneriella	LC50 96 h: = 32 mg/L static		
	subcapitata)	(Lepomis macrochirus)		
	EC50 96 h: > 438 mg/L	LC50 96 h: = 4.2 mg/L semi-		
	(Pseudokirchneriella	static (Oncorhynchus mykiss)		
	` subcapitata)	LC50 96 h: = 9.6 mg/L static		
	· · ·	(Poecilia reticulata)		

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Toluene	EC50: >433 mg/L	LC50: 15.22-19.05 mg/L	EC50 = 19.7 mg/L 30 min	EC50 48 h: 5.46 - 9.83 mg/L
	Pseudokirchneriella	Pimephales promelas 96 h	G	Static (Daphnia magna)
	subcapitata 96 h	flow-through		EC50 48 h: = 11.5 mg/L
	EC50: 12.5 mg/L	LC50: 12.6 mg/L Pimephales		(Daphnia magna)
	Pseudokirchneriella	promelas 96 h static		, ,
	subcapitata 72 h static	LC50: 5.89-7.81 mg/L		
	·	Oncorhynchus mykiss 96 h		
		flow-through		
		LC50: 14.1-17.16 mg/L		
		Oncorhynchus mykiss 96 h		
		static		
		LC50: 5.8 mg/L		
		Oncorhynchus mykiss 96 h		
		semi-static		
		LC50: 11.0-15.0 mg/L		
		Lepomis macrochirus 96 h		
		static		
		LC50: 54 mg/L Oryzias latipes		
		96 h static		
		LC50: 28.2 mg/L Poecilia		
		reticulata 96 h semi-static		
		LC50: 50.87-70.34 mg/L		
		Poecilia reticulata 96 h static		

Chemical Name	Log Pow
Acetone	-0.24
Xylene	3.15
Ethyl benzene	3.118
Toluene	2.65

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR

261).

Contaminated Packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld

containers. Do not re-use empty containers.

US EPA Waste Number D001

U002 U220 U239

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone - 67-64-1		Included in waste stream:		U002
		F039		
Xylene - 1330-20-7		Included in waste stream:		U239
		F039		
Ethyl benzene - 100-41-4		Included in waste stream:		
		F039		
Toluene - 108-88-3	U220	Included in waste streams:		U220
		F005, F024, F025, F039,		
		K015, K036, K037, K149,		
		K151		

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Toluene - 108-88-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Acetone	Ignitable
Xylene	Toxic
	Ignitable
Ethyl benzene	Toxic
	Ignitable
Toluene	Toxic
	Ignitable

14. TRANSPORT INFORMATION

DOT

UN-Number UN1263
Proper shipping name Paint
Hazard Class 3
Subsidiary Class None
Packing Group II

Description UN1263,Paint,3,PG II

Emergency Response Guide 128

Number

TDG

UN-Number UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group II

Description UN1263,PAINT,3,PG II

MEX

UN-Number UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group II

Description UN1263 Paint,3,II

ICAO

UN-Number UN1263
Proper shipping name Paint
Hazard Class 3
Packing Group II

Description UN1263,Paint,3,PG II

IATA

UN-Number UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group II
ERG Code 3L

Description UN1263,Paint,3,PG II

IMDG/IMO

UN-Number UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group II
EmS No. F-E, S-E

Description UN1263, Paint, 3, PG II, FP -18C

RID

UN-Number UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group II
Classification Code F1

Description UN1263 Paint,3,II

ADR

UN-NumberUN1263Proper Shipping NamePaintHazard Class3Packing GroupIIClassification CodeF1

Description UN1263 Paint,3,II

ADN

UN-No UN1263
Proper Shipping Name Paint
Hazard Class 3
Packing Group II
Classification Code F1

Special Provisions 163, 640C, 650 Description UN1263 Paint,3,II

Hazard Labels 3
Limited Quantity LQ6
Ventilation VE01

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Ethyl benzene	100-41-4	0.783	0.1
Xylene	1330-20-7	1.566	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ethyl benzene	1000 lb	X	X	X
Xylene	100 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ethyl benzene	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Xylene	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Acetone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Ethyl benzene	100-41-4	Carcinogen
Toluene	108-88-3	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Ethyl benzene	X	X	X	X	X
Toluene	X	X	X	Х	X
Xylene	X	X	X	Х	X
Acetone		X			Х

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
Ethyl benzene		Mexico: TWA 100 ppm
		Mexico: TWA 435 mg/m ³
		Mexico: STEL 125 ppm
		Mexico: STEL 545 mg/m ³
Xylene		Mexico: TWA 100 ppm
		Mexico: TWA 435 mg/m ³
		Mexico: STEL 150 ppm
		Mexico: STEL 655 mg/m ³
Acetone		Mexico: TWA= 1000 ppm
		Mexico: TWA= 2400 mg/m ³
		Mexico: STEL= 1260 ppm
		Mexico: STEL= 3000 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

B2 Flammable liquid D2A Very toxic materials D2B Toxic materials



Canadian National Pollutant Release Inventory (NPRI)

Chemical Name	NPRI
Ethyl benzene	X

Legend X - Listed

16. OTHER INFORMATION

Prepared By Product Stewardship

23 British American Blvd.

Latham, NY 12110 1-800-572-6501

Issuing Date 23-Sep-2011

Revision Date

Revision Note Initial Release.

General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication and it does not purport to be all inclusive and shall be used only as a guide. We urge each customer or recipient of this MSDS to study it carefully to become aware of and understand the potential hazards associated with the product. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. Any use of the product not in conformance with this MSDS or in combination with any other product or process is the responsibility of the user. Customary precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Remove all soiled and contaminated clothing immediately.

End of Safety Data Sheet