Supercedes Date 11/18/2008 **Issuing Date** 10/31/2011

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name E-Z TRAC AEROSOL, U/L
Recommended use Solvent-borne coatings

Information on Manufacturer
MANTEK, DIVISION OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 5673
Chemical nature epoxy

Emergency Telephone Number
CHEMTREC® 1-800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
DANGER
Extremely flammable
Vapors may cause flash fire or explosion
Harmful if inhaled
Causes skin irritation
Causes eye irritation
May cause allergic skin reaction
Harmful or fatal if swallowed
Contents under pressure

Color brown - Yellow **Physical State** Liquid **Odor** Aromatic Solvent

Potential Health Effects

Principle Route of Exposure	Inhalation, Skin contact, Eye contact.
Primary Routes of Entry	Inhalation, Skin Absorption.
Acute Effects	
Eyes	Causes eye irritation.
Skin	Causes skin irritation. May be absorbed through the skin in harmful amounts. May cause allergic skin reaction.
Inhalation	May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. May cause cardiac arrhythmia.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.
Chronic Toxicity	Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. May cause irregular heartbeats, especially under conditions of stress. May cause cardiac arrhythmia. Contains a known or suspected reproductive toxin. Contains a known or suspected carcinogen. Liver and kidney injuries may occur. May cause sensitization by skin contact.
Target Organ Effects	Central nervous system, Peripheral Nervous System (PNS), Respiratory system, Immune system, Reproductive System, Kidney, Liver, Lungs, Heart, Ears, Eyes, Skin.
Aggravated Medical Conditions	Neurological disorders, Respiratory disorders, Kidney disorders, Liver disorders, Skin disorders, Blood disorders, Heart disease.
Potential Environmental Effects	See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Acetone	67-64-1
Epoxy resin (NJTSRN 000457000-5634)	TRADE SECRET
Propane	74-98-6
Xylenes (o-, m-, p- isomers)	1330-20-7
Toluene	108-88-3
Butane	106-97-8
Ethyl benzene	100-41-4
Titanium dioxide	13463-67-7
Kaolinite, Hydrous Aluminum Silicate	1332-58-7
Carbon black	1333-86-4
1-[2,4-dinitrophenyl azo]-2-naphtol	3468-63-1
Red iron oxide	1332-37-2
Slica, amorphous, fumed, crystalline-free	112945-52-5
Iron oxide	1309-37-1
Calcium carbonate	1317-65-3

4. FIRST AID MEASURES

General Advice	Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Notes to physician	Aspiration hazard if swallowed - can enter lungs and cause damage. May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point -134 °F / -92 °C **Method** Tag closed cup
Autoignition Temperature No information available.
Flammability Limits in Air % Mixture. **Upper** 13 **Lower** 0.8
Suitable Extinguishing Media
Water spray, Carbon dioxide (CO2), Foam, Dry chemical.

Specific hazards arising from the chemical
Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: 30 inches / 76.2 cm and Burnback: 6 inches / 15.2 cm. Material can create slippery conditions.
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.

Aerosol Level (NFPA 30B) -		2					
NFPA	**Health** 2		**Flammability** 4		**Instability** 0		
HMIS	**Health** 2		**Flammability** 4		**Instability** 0		

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing.						
Storage	Keep away from heat and sources of ignition. Keep in a dry, cool and well-ventilated place. Store in original container.						
Storage Temperature	**Minimum**	35 °F / 2 °C		**Maximum**	120 °F / 49 °C		
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**		**Refrigerated**	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Acetone	TWA: 500 ppm STEL: 750 ppm	TWA: 1000 ppm TWA: 2400 mg/m^3	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m^3
Epoxy resin (NJTSRN 000457000-5634)	No data available	No data available	No data available
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m^3	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m^3
Xylenes (o-, m-, p- isomers)	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m^3	No data available
Toluene	TWA: 20 ppm	TWA: 200 ppm Ceiling: 300 ppm	IDLH: 500 ppm STEL 150 ppm STEL 560 mg/m^3 TWA: 100 ppm TWA: 375 mg/m^3
Butane	TWA: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m^3
Ethyl benzene	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m^3	IDLH: 800 ppm STEL 125 ppm STEL 545 mg/m^3 TWA: 100 ppm TWA: 435 mg/m^3
Titanium dioxide	TWA: 10 mg/m^3	TWA: 15 mg/m^3	IDLH: 5000 mg/m^3
Kaolinite, Hydrous Aluminum Silicate	TWA: 2 mg/m^3	TWA: 15 mg/m^3 TWA: 5 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3
Carbon black	TWA: 3 mg/m^3	TWA: 3.5 mg/m^3	IDLH: 1750 mg/m^3 TWA: 3.5 mg/m^3 TWA: 0.1 mg/m^3
1-[2,4-dinitrophenyl azo]-2-naphtol	No data available	No data available	No data available
Red iron oxide	No data available	No data available	No data available
Slica, amorphous, fumed, crystalline-free	No data available	No data available	No data available
Iron oxide	TWA: 5 mg/m^3	TWA: 10 mg/m^3	IDLH: 2500 mg/m^3 TWA: 5 mg/m^3
Calcium carbonate	No data available	TWA: 15 mg/m^3 TWA: 5 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3

Engineering Measures	Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Wear suitable protective clothing, Impervious gloves.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Non viscous
Color	brown - Yellow	**Odor**	Aromatic Solvent
Appearance	Transparent	**pH**	Not applicable
Specific Gravity	0.76	**Evaporation Rate**	>1 (BuAc = 1)
Percent Volatile (Volume)	75	**VOC Content (%)**	55
VOC Photoreactive (Y/N)	Yes	**VOC Content (g/L)**	415
Vapor Pressure	>1 mmHg @ 70°F	**Vapor Density**	>1 (Air = 1.0)
Solubility	Negligible	**Boiling Point/Range**	-13 °F / -25 °C

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition
Incompatible Products	Strong oxidizing agents, Acids, Bases.
Hazardous Decomposition Products	Carbon oxides
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Acetone	= 5800 mg/kg (Rat)	no data available	no data available	no data available	no data available
Epoxy resin (NJTSRN 000457000-5634)	no data available	no data available	no data available	no data available	no data available
Propane	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Xylenes (o-, m-, p- isomers)	= 4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	= 47635 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h	no data available	no data available
Toluene	= 636 mg/kg (Rat)	= 12124 mg/kg (Rat) = 8390 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h > 26700 ppm (Rat) 1 h	no data available	no data available
Butane	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Ethyl benzene	= 3500 mg/kg (Rat)	= 15354 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h	no data available	no data available
Titanium dioxide	> 10000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Kaolinite, Hydrous Aluminum Silicate	no data available	no data available	no data available	no data available	no data available
Carbon black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	no data available	no data available	no data available
1-[2,4-dinitrophenyl azo]-2-naphtol	no data available	no data available	no data available	no data available	no data available
Red iron oxide	no data available	no data available	no data available	no data available	no data available
Slica, amorphous, fumed, crystalline-free	= 3160 mg/kg (Rat)	no data available	no data available	no data available	no data available
Iron oxide	> 10000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Calcium carbonate	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Acetone	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
Epoxy resin (NJTSRN 000457000-5634)	no data available	Skin sensitizer	no data available	no data available	Immune system
Propane	no data available	no data available	no data available	no data available	CNS
Xylenes (o-, m-, p- isomers)	no data available	no data available	yes	no data available	heart, lung, CNS, PNS, respiratory system, ears, liver, kidney
Toluene	no data available	no data available	yes	yes	CNS, eyes, kidneys, liver, respiratory system, skin
Butane	no data available	no data available	no data available	no data available	CNS
Ethyl benzene	no data available	no data available	yes	no data available	eyes, CNS, respiratory system, skin
Titanium dioxide	no data available	no data available	no data available	no data available	respiratory system
Kaolinite, Hydrous Aluminum Silicate	no data available	no data available	no data available	no data available	respiratory system,stomach
Carbon black	no data available	no data available	no data available	no data available	eyes,respiratory system
1-[2,4-dinitrophenyl azo]-2-naphtol	no data available	no data available	no data available	no data available	no data available
Red iron oxide	no data available	no data available	no data available	no data available	no data available
Slica, amorphous, fumed, crystalline-free	no data available	no data available	no data available	no data available	no data available
Iron oxide	no data available	no data available	no data available	no data available	respiratory system eyes,respiratory system,skin
Calcium carbonate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Acetone	not applicable	not applicable	not applicable	not applicable	not applicable
Epoxy resin (NJTSRN 000457000-5634)	not applicable	not applicable	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Xylenes (o-, m-, p- isomers)	not applicable	not applicable	not applicable	not applicable	not applicable
Toluene	not applicable	not applicable	not applicable	not applicable	not applicable
Butane	not applicable	not applicable	not applicable	not applicable	not applicable
Ethyl benzene	A3	Group 2B	not applicable	X	X
Titanium dioxide	not applicable	Group 2B	not applicable	X	X
Kaolinite, Hydrous Aluminum Silicate	not applicable	not applicable	not applicable	not applicable	not applicable
Carbon black	A3	Group 2B	not applicable	X	X
1-[2,4-dinitrophenyl azo]-2-naphtol	not applicable	not applicable	not applicable	not applicable	not applicable
Red iron oxide	not applicable	not applicable	not applicable	not applicable	not applicable
Slica, amorphous, fumed, crystalline-free	not applicable	not applicable	not applicable	not applicable	not applicable
Iron oxide	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium carbonate	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Acetone	no data available	LC50 4.74 - 6.33 mL/L Oncorhynchus mykiss 96 h LC50 6210 - 8120 mg/L Pimephales promelas 96 h LC50 = 8300 mg/L Lepomis macrochirus 96 h	EC50 = 14500 mg/L 15 min	EC50 10294 - 17704 mg/L 48 h EC50 12600 - 12700 mg/L 48 h	-0.24
Epoxy resin (NJTSRN 000457000-5634)	no data available	no data available	no data available	no data available	N/A
Propane	no data available	no data available	no data available	no data available	2.3
Xylenes (o-, m-, p- isomers)	no data available	LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 = 13.4 mg/L Pimephales promelas 96 h LC50 = 19 mg/L Lepomis macrochirus 96 h LC50 = 780 mg/L Cyprinus carpio 96 h LC50 > 780 mg/L Cyprinus carpio 96 h	EC50 = 0.0084 mg/L 24 h	LC50= 0.6 mg/L 48 h EC50= 3.82 mg/L 48 h	2.77 - 3.15
Toluene	EC50 = 12.5 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 433 mg/L Pseudokirchneriella subcapitata 96 h	LC50 11.0 - 15.0 mg/L Lepomis macrochirus 96 h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96 h LC50 15.22 - 19.05 mg/L Pimephales promelas 96 h LC50 5.89 - 7.81 mg/L Oncorhynchus mykiss 96 h LC50 50.87 - 70.34 mg/L Poecilia reticulata 96 h LC50 = 12.6 mg/L Pimephales promelas 96 h LC50 = 28.2 mg/L Poecilia reticulata 96 h LC50 = 5.8 mg/L Oncorhynchus mykiss 96 h LC50 = 54 mg/L Oryzias latipes 96 h	EC50 = 19.7 mg/L 30 min	EC50 5.46 - 9.83 mg/L 48 h EC50= 11.5 mg/L 48 h	2.65
Butane	no data available	no data available	no data available	no data available	2.89

Ethyl benzene	EC50 1.7 - 7.6 mg/L Pseudokirchneriella subcapitata 96 h EC50 2.6 - 11.3 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 4.6 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 438 mg/L Pseudokirchneriella subcapitata 96 h	LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96 h LC50 7.55 - 11 mg/L Pimephales promelas 96 h LC50 9.1 - 15.6 mg/L Pimephales promelas 96 h LC50 = 32 mg/L Lepomis macrochirus 96 h LC50 = 4.2 mg/L Oncorhynchus mykiss 96 h LC50 = 9.6 mg/L Poecilia reticulata 96 h	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 1.8 - 2.4 mg/L 48 h	3.118
Titanium dioxide	no data available	no data available	no data available	no data available	N/A
Kaolinite, Hydrous Aluminum Silicate	no data available	no data available	no data available	no data available	N/A
Carbon black	no data available	no data available	no data available	EC50> 5600 mg/L 24 h	N/A
1-[2,4-dinitrophenyl azo]-2-naphtol	no data available	no data available	no data available	no data available	N/A
Red iron oxide	no data available	no data available	no data available	no data available	N/A
Slica, amorphous, fumed, crystalline-free	no data available	no data available	no data available	no data available	N/A
Iron oxide	no data available	no data available	no data available	no data available	N/A
Calcium carbonate	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Warning! Container under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name Consumer commodity
Hazard Class ORM-D
Description Consumer commodity ,ORM-D

TDG
Proper shipping name Aerosols
Hazard Class 2.1
UN-No UN1950
Description UN1950,AEROSOLS,2.1,LTD QTY

ICAO
UN-No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.1
Shipping Description UN1950,Aerosols, 2.1, LTD QTY

IATA
UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG Code 10L
Shipping Description UN1950,Aerosols, 2.1, LTD QTY

IMDG/IMO
Proper Shipping Name Aerosols
Hazard Class 2
UN-No UN1950
EmS No. F-D, S-U
Shipping Description UN1950, Aerosols, 2.1, LTD QTY

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies

U.S. Federal Regulations

SARA 313
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 40n of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Xylenes (o-, m-, p- isomers)	1330-20-7	10-30	1.0
Toluene	108-88-3	10-30	1.0
Ethyl benzene	100-41-4	3-7	0.1

SARA 311/312 Hazardous Categorization

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

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Acetone	5000 lb	Not applicable
Epoxy resin (NJTSRN 000457000-5634)	Not applicable	Not applicable
Propane	Not applicable	Not applicable

Xylenes (o-, m-, p- isomers)	100 lb	Not applicable
Toluene	1000 lb	Not applicable
Butane	Not applicable	Not applicable
Ethyl benzene	1000 lb	Not applicable
Titanium dioxide	Not applicable	Not applicable
Kaolinite, Hydrous Aluminum Silicate	Not applicable	Not applicable
Carbon black	Not applicable	Not applicable
1-[2,4-dinitrophenyl azo]-2-naphtol	Not applicable	Not applicable
Red iron oxide	Not applicable	Not applicable
Slica, amorphous, fumed, crystalline-free	Not applicable	Not applicable
Iron oxide	Not applicable	Not applicable
Calcium carbonate	Not applicable	Not applicable

Canada

This product may not be commercially placed on the market in Canada.

WHMIS Hazard Class
Not applicable

16. OTHER INFORMATION

Prepared By Rachael Mohochi
Supercedes Date 11/18/2008
Issuing Date 10/31/2011
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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