Material Safety Data Sheet

MSDS Number: 130087
Date: September 09, 2010

Pinhole Eliminator

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: 440 Express
Product Numbers: 100440
Product Use: Elimination of pin holes

Distributed By

The Easthill Group
dba/ The Eastwood Company
263 Shoemaker Road
Pottstown, PA 19464
USA & Canada: 800-345-1178
Outside USA: 610-323-2200

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300

Prepared By: Safety Department

SECTION 2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Component	CAS-No	% by Weight
Methoxy 2-propyl Acetate	108-65-6	25 - 30
Inert Filler	Proprietary	15 - 20
Polyester Resin	Proprietary	10 - 15
Talc	14807-96-6	5 - 10
Xylene	1330-20-7	5 - 10
Ethylene glycol monobutyl ether	111-76-2	5-10
Ethyl Benzene	100-41-4	1 - 3
Amorphous Silica	112945-52-5	1 - 3

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****
WARNING! FLAMMABLE LIQUID AND VAPOR.
CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Primary Route(s) of Entry: Skin contact, Ingestion, Inhalation, Eye contact, Skin absorption.

EYE: Causes eye irritation.

SKIN: Irritating to skin. Repeated exposure may cause skin dryness or cracking. Material can be absorbed through skin.

INHALATION: Inhalation of vapors in high concentration may cause irritation of respiratory system. Inhalation of high vapor concentrations can cause CNS-depression and narcosis.

INGESTION: Ingestion (swallowing) may irritate the mouth, throat and stomach. Aspiration into lungs may cause chemical pneumonia and lung damage. Ingestion is not an anticipated route of exposure for this material in industrial use.

Cancer Information:
This material contains a chemical which is listed by the International Agency for Research on Cancer (IARC) as a group 2B cancer causing agent (possibly carcinogenic to humans). The National Toxicology Program (NTP) has listed a chemical in this material as a substance that may reasonably be anticipated to be a human carcinogen. Exposure to organic solvents during pregnancy may cause an increased risk of birth defects. The IARC has classified ethyl benzene as a group 2B carcinogen (possibly carcinogenic to humans) based on the increase of kidney tumors in rats and an increase in lung and liver cancer in mice. This material may contain
trace amounts of chemicals considered to be carcinogenic by OSHA (Benzene, IARC-Group 1)

Xylene: Xylene –high exposures to xylene in some animal studies often at levels toxic to the mother, affected embryo/fetal development. The substance may have effects on the central nervous system, resulting in decreased learning ability.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

Target Organ(s): Central nervous system (CNS), Kidney, Liver.

HMIS: Health: 2* **Flammability:** 3 **Reactivity:** 0

Section 4 - Data relating to inflammability and the explosions

Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Get medical attention if irritation develops or persists.
Eye Contact:	
Inhalation:	Move individual away from exposure. Immediately flush eyes with large quantities of clean water for at least 15 minutes. Get immediate medical attention.
Ingestion:	Remove victim to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, give oxygen by trained personnel. Get immediate medical attention. DO NOT INDUCE VOMITING. ASPIRATION HAZARD. This material may enter the lungs during vomiting. Never give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION.

Section 5. FIRE FIGHTING MEASURES

Flash Point: 81ºF / (27 ºC)
Explosive Limit: Lower: 1% **Upper:** 7%
Autoignition Temperature: 464ºC)
OSHA Flammability Class: Flammable Liquid – Class IC

Hazardous Products of Combustion: May form: carbon dioxide, carbon monoxide, styrene oxide, and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Vapors may form explosive mixtures with air Vapor can travel to a source of ignition (spark or flame) and flash back

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal

protective equipment.

NFPA Rating: Health - 2, Flammability - 3, Reactivity - 1

Carbon dioxide (CO2), Alcohol-resistant foam, Dry chemical, Water spray, Do not use a solid water stream as it may scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

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:
Prevent spilled material from contaminating soil, entering sanitary sewers, storm sewers, and drainage systems, and entering bodies of water or ditches that lead to waterways. Prevent spreading over a wide area (e.g. by containment or oil barriers).

Methods for Clean-up:
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling:
Avoid breathing vapors or mists. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation. Remove all sources of ignition. Do not smoke. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment.

Storage:
Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact.

Gloves should be made of neoprene or natural rubber. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Xylene	1330-20-7	100 ppm	100 ppm
Ethyl Benzene	100-41-4	100 ppm	100 ppm

Mppcf- millions of particles per cubic foot of air N/E-Not Established

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	280°F	**Vapor Density:**	N/E
Specific Gravity / Density:	6.8-6.9 lbs/gal	**Percent Volatiles by weight:**	12%
Evaporation Rate:	>1	**Physical State:**	Paste
Melting Point:	N/A	**pH:**	N/A
Odor:		**Solubility:**	N/A
Vapor Pressure:	N/A	**Appearance:**	Gray
Octanol/Water Partition Coefficient:	Unknown		
VOC (as packaged-less exempts and water):	2.9 lbs/gal or 347g/L	**VOC (as applied*- 2%by wt hardener- less exempts and water):**	2.9 lbs/gal or 347g/L
Percent Solids by weight – as packaged:	58.0%	**Percent Solids by weight – as applied* - 2 % by wt hardener:**	58.0 %
VHAP Content by weight – as packaged:	12%	**VHAP Content by weight – as applied* - 2 % by weight hardener:**	N/A%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials: Strong oxidizing agents. Strong acids. Strong bases. Aldehydes, Amines, Halogenated compounds, & Isocyanates.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide

(CO2). **Hazardous Polymerization:** Hazardous polymerization does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Xylene	1330-20-7	4300 mg/kg	6700 ppm/4H
Ethyl Benzene	100-41-4	3500 mg/kg	N/E

N/E-Not Established

Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity:.Possible birth defects hazard. Toluene may be harmful to the human fetus based on positive results with laboratory animals.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This material should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependent on quantity, type of packaging, or method of shipment.

SECTION 15. REGULATORY INFORMATION

State and Local Regulations

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)

Component	RQ
Xylene	100 lbs
Ethyl Benzene	1000 lbs

SARA Title III: Section 302- Extremely Hazardous Substances
None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
Xylene	1330-20-7	1-5
Ethyl Benzene	100-41-4	0-1

EPA Hazardous Air Pollutants (HAPS) 40 CFR 63

Component	CAS Number	Percentage
Xylene	1330-20-7	1-5
Ethyl Benzene	100-41-4	0-1

International Regulations

EINECS (Europe)
DSL (Canada)
WHMIS Classification
Health Hazard: B2 (Flammable), D2A, D2B
Physical Hazard: toxic material

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer.
Ethyl Benzene, Benzene
This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. Benzene

SECTION 16. OTHER INFORMATION

HMIS Rating: Health –2, Flammability -2 Reactivity - 1

Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Additional Information may be obtained by calling the ITW MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.