



## MATERIAL SAFETY DATA SHEET ADDENDUM

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N Z Specific Information addendum to Material Safety Data Sheet for Product No. **100440**

Date Revised: **15/10/2014**

### SECTION 1 ADDITIONAL INFORMATION

NZ Supplier: **Hindin Marquip Limited**  
Head Office: **1012 Great South Road**  
**Penrose 1061**  
Phone: **09 579 9667**

**EMERGENCY TELEPHONE 0800 POISON (0800 764 766)**

### SECTION 2 ADDITIONAL INFORMATION

This substance is hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

HSNO CLASSIFICATION	HAZARD DESCRIPTION
3.1B	Flammable Liquid – high hazard
6.1D	Substances that are acutely toxic - Harmful
6.3A	Substances that are irritating to the skin
6.4A	Substances that are irritating to the eye
6.7B	Substances that are suspected human carcinogens
6.8B	Substances that are suspected human reproductive or developmental toxicants
6.9B	Substances that are harmful to human target organs or systems
9.1D	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action
9.2D	Substances that are slightly harmful in the soil environment
9.3C	Substances that are harmful to terrestrial vertebrates

### PICTOGRAMS



### SECTION 15 ADDITIONAL INFORMATION

EPA Approval: - HSR002669 – Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2006

### SECTION 16 ADDITIONAL INFORMATION

#### Disclaimer

The modifications to this Safety Data Sheet made by M J Nankivell Haztec Ltd have been restricted to Adding New Zealand specific information only as required under the HSNO Act 1996 and associated regulations and no changes have been made to the Technical Content.

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# 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

#### Company

ITW Evercoat  
a Division of Illinois Tool Works Inc.  
6600 Cornell Road  
Cincinnati, Ohio USA  
Phone: 513-489-7600

#### Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300  
CANUTEC: 1-613-996-6666

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:** 81°F / (27 °C)

**Explosive Limit: Lower:** 1%                      **Upper:** 7%

**Autoignition Temperature:** 464°C)

**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 (CO<sub>2</sub>), 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**

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**

<b>Boiling Point:</b>	280°F	<b>Vapor Density:</b>	N/E
<b>Specific Gravity / Density:</b>	6.8-6.9 lbs/gal	<b>Percent Volatiles by weight:</b>	12%
<b>Evaporation Rate:</b>	>1	<b>Physical State:</b>	Paste
<b>Melting Point:</b>	N/A	<b>pH:</b>	N/A
<b>Odor:</b>		<b>Solubility:</b>	N/A
<b>Vapor Pressure:</b>	N/A	<b>Appearance:</b>	Gray
<b>Octanol/Water Partition Coefficient:</b>	Unknown		
<b>VOC (as packaged-less exempts and water):</b>	2.9 lbs/gal or 347g/L	<b>VOC (as applied*- 2%by wt hardener- less exempts and water):</b>	2.9 lbs/gal or 347g/L
<b>Percent Solids by weight – as packaged:</b>	58.0%	<b>Percent Solids by weight – as applied* - 2 % by wt hardener:</b>	58.0 %
<b>VHAP Content by weight – as packaged:</b>	12%	<b>VHAP Content by weight – as applied* - 2 % by weight hardener:</b>	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 (CO<sub>2</sub>).
- Hazardous Polymerization:** Hazardous polymerization does not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

### **Acute Toxicity Data:**

<b>Ingredient</b>	<b>CAS #</b>	<b>LD<sub>50</sub> Oral-Rat</b>	<b>LC<sub>50</sub> Inhalation-Rat</b>
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)

<u>Component</u>	<u>RQ</u>
Xylene	100 lbs
Ethyl Benzene	1000 lbs

**SARA Title III: Section 302-** Extremely Hazardous Substances  
**None**

### SARA Title III: Section 313- Toxic Chemical List

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

### EPA Hazardous Air Pollutants (HAPS) 40 CFR 63

<u>Component</u>	<u>CAS Number</u>	<u>Percentage</u>
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.