

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX HIGH TEMP PRIMER

MSDS Number: 245 AEROSOL

Version Number

MSDS Date: JAN-16-2002

Page Number: 1

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: THURMALOX HIGH TEMP PRIMER
CAS Number: N/A
Hazard Rating: Health: 2 Fire: 4 Reactivity: 1 PPI:

Company Identification: DAMPNEY CO INC.
85 PARIS ST
EVERETT MA 02149-4411

Contact: PETER BARRETT
Telephone/Fax: (617) 389-2805 (617) 389-0484
Chemtrec (24 Hour): (800) 424-9300

Product Class: INDUSTRIAL COATING
Trade Name: THURMALOX HIGH TEMP
Product Code: 245 AEROSOL

SECTION 2. INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
METHYLENE CHLORIDE	75-09-2	25.82	Y
XYLENE (HAPS)	1330-20-7	16.30	Y
BUTANE	106-978	12.91	Y
PROPANE	74-986	12.91	
(1) HI FLASH NAPHTHAS	64742-95-6	4.10	Y
ETHYL BENZENE (HAPS)	100-41-4	1.81	Y
TOLUENE (HAPS)	108-88-3	1.81	Y

** SPECIAL REMARKS ON ABOVE LISTED INGREDIENTS **

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Technical grade xylene contains 18-20% ethyl benzene CAS # is 100-41-4 and is subject to reporting requirements of SECTION 313 of SARA TITLE III.

(1) TLV not established for this material. This item contains approximately 7% xylene (CAS 1330-20-7) which has a PEL and TLV 100 ppm and an STEL of 150 ppm; approximately 3% cumene (CAS 98-82-8), which has a PEL and TLV of 50 ppm skin; approximately 40% trimethylbenzene (CAS 25551-13-7), which has a PEL and TLV of 25 ppm. (TRIMETHYLBEN-zene may contain 50% pseudocumene 1,2,4- or 1,2,5-trimethylbenzene (CAS 95-63-6 and 22.5% mesitylene 1,3,5-trimethylbenzene (CAS 108-67-8). The PEL listed for this item is for coal tar naphtha, based on the ACGIH documentation for coal tar naphtha (since deleted). Xylene, cumene and 1,2,4-trimethylbenzene are subject to the reporting requirements of Section 313 of Sara Title III. Methylene chloride is listed as a 2B animal carcinogen. ACGIH recommends a TWA of 50 ppm for toluene (skin).

===== SECTION 3. PHYSICAL DATA =====

pH Value: Not Applicable
Boiling Range: -43.7°F - 338.°F
Melting Point: Not Applicable
Evaporation Rate: 3.494 times Faster than n-Butyl Acetate

Vapor Density: Heavier than air

Partition Coefficient Not Available
% Volatile Weight 73.27 75.%
% Volatile 13.36 88.6%
Specific Gravity: 0.981
Weight/Gallon: 8.25 lbs
VOC 6.04LBS/GAL
Heavy Elements (ppm) 0.

===== SECTION 4. FIRE AND EXPLOSION HAZARD DATA =====

Flammability Class 1A
Flash Range: -156.°F - 108.°F
Explosive Range: 1.%

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19.%

EXTINGUISHING MEDIA:

Foam, alcohol foam, CO2, dry chemical, water fog may be ineffective but should be used to cool fire-exposed containers to prevent pressure build up and possible auto-ignition or explosion when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:

Use full protection equipment including self contained breathing apparatus (NIOSH approved) for respiratory protection in fighting fires in enclosed or confined spaces, or as otherwise needed.

Minimize breathing gases, vapors, fumes or decomposition products.

UNUSUAL FIRE & EXPLOSION HAZARDS:

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SECTION 5. HEALTH HAZARD DATA

Route	Species	Exposure and Dose
(1) HI FLASH NAPHTHAS		
Inhalation	Unknown	LC50 99. PPM
Oral	Unknown	LD50 5. PPM
Skin	Unknown	LD50 3.16 PPM
TOLUENE (HAPS)		
Inhalation	Unknown	LD50 8000. PPM
Oral	Unknown	LD50 5. PPM
Skin	Unknown	LD50 14. PPM

PERMISSIBLE EXPOSURE LEVEL:

SEE SECTION VIII

EFFECTS OF OVEREXPOSURE:

Primary route(s) of entry:

(X) Dermal (X) Inhalation () Ingestion

Acute (short term) exposure:

Inhalation - excessive inhalation of vapors can cause nasal and respiratory irritation, cns effects including dizziness, weakness, nausea, headache, possible

unconsciousness, and even death.

Skin contact - prolonged or repeated contact can cause

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moderate irritation, defatting, and dermatitis.

Eye contact - can cause severe irritation, redness, tearing, and blurred vision.

Ingestion - can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes - flush thoroughly with running water for 15 minutes, including under eyelids. Get medical attention.

Skin - promptly remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs get medical attention. Wash contaminated clothing thoroughly before re-use.

Inhalation - if overcome by vapor, remove to an area free from risk of further exposure. If breathing is difficult, administer oxygen, or artificial respiration if breathing has stopped. Keep person warm and quiet and get medical attention.

Ingestion - if swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Note to physician: adrenaline should never be given to a person overexposed to methylene chloride.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

Pre-existing eye, skin, liver and/or kidney disorders may be aggravated by exposure to this product.

Chronic (long term) exposure:

In laboratory animals - overexposure to this material (or its components) has been found to cause the following effects; anemia, liver abnormalities, kidney, lung and spleen damage.

In humans - liver and cardiac abnormalities.

Consumption of alcoholic beverages may increase the potential for development of toxic effects resulting from exposure to this product.

Methylene chloride: alcoholism, acute and chronic liver and kidney disease, chronic lung disease, anemia, coronary disease or rhythm disorders of the heart.

Toluene may be harmful to the fetus based on laboratory animal studies. Repeated exposure to toluene has been associated with

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high frequency hearing loss based on evidence in laboratory animals. The human health consequences of this finding is uncertain.

Chronic overexposure to xylene has been suggested to cause cardiac abnormality in humans.

===== SECTION 6. STABILITY AND REACTIVITY MEASURES =====

Stability: This product is stable

Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Avoid contact with strong oxidizing agents, acids or bases.

CONDITIONS TO AVOID:

Avoid heat, open flames.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and unidentified organics may be formed.

Methylene chloride decomposition products: hydrogen chloride phosgene and chlorine.

===== SECTION 7. SPILL OR LEAK PROCEDURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Before attempting cleanup, refer to hazard caution information in other sections of this sheet. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Large spills - notify safety personnel. Eliminate potential sources of ignition. Wear appropriate respirator and protective clothing. Soak up with an absorbent, I.E. sand, clay, or other suitable material. Place in non-leaking containers and seal tightly for proper disposal. Ventilate confined spaces.

Minimize breathing vapors. Open all windows and doors. Minimize skin contact. Keep product out of sewers and water courses by diking and impounding. Observe precautions for volatile, combustible vapors from absorbed material.

Small spills - take up with absorbent material and place in non-leaking containers for proper disposal.

WASTE DISPOSAL METHOD:

Assure conformity with applicable federal, state and local

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regulations.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
METHYLENE CHLORIDE	25.00 PPM	N/est	N/est	N/est	25.00 PPM
XYLENE (HAPS)	100.00 PPM	N/est	150.00 PPM	150.00 PPM	100.00 PPM
BUTANE	800.00 PPM	N/est	N/est	N/est	N/est
PROPANE	1000.00 PPM	N/est	N/est	N/est	N/est
(1) HI FLASH NAPHTHAS	100.00 PPM	N/est	N/est	N/est	100.00 PPM
ETHYL BENZENE (HAPS)	100.00 PPM	N/est	125.00 PPM	125.00 PPM	100.00 PPM
TOLUENE (HAPS)	50.00 PPM	N/est	100.00 PPM	100.00 PPM	100.00 PPM

RESPIRATORY PROTECTION:

Use NIOSH approved respirator as required to prevent overexposure.

Unconfined spaces - use a vapor/particulate respirator such as NIOSH approved No. TC-23C.

Confined spaces - use a constant flow air-line respirator such as NIOSH approved NO. TC-19C.

VENTILATION:

Provide sufficient ventilation to keep air contaminant concentration below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

No smoking or open lights.

PROTECTIVE GLOVES:

Use chemical-resistant gloves to prevent skin contact.

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EYE PROTECTION:

Use chemical splash goggles or face shield to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT:

Use chemical-resistant or other protective outerwear to protect against clothing contamination and skin contact.

SECTION 9. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING, TRANSPORTATION, AND STORING:

CAUTION! FLAMMABLE! Handling and storage conditions must be suitable for OSHA CLASS I flammable liquid. Store in cool, well-ventilated, fire resistant storage area. Protect containers against physical damage. Keep away from heat, flame, and strong oxidizing agents. Do not store above 100 degrees F. Use only with adequate ventilation. Keep containers closed when not in use. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Do not take internally. Bond and ground containers of this material when pouring to avoid static sparks which create a fire hazard.

OTHER PRECAUTIONS:

Contact lenses pose a special hazard; soft lenses may absorb and all lenses concentrate irritants.

SECTION 10. REGULATORY INFORMATION

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
METHYLENE CHLORIDE	75-09-2	25.82
XYLENE (HAPS)	1330-20-7	16.30
(1) HI FLASH NAPHTHAS	64742-95-6	4.10
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TOLUENE (HAPS) 108-88-3 1.81

CHROMIUM(III) COMPOUNDS 1308-38-9 0.86

-PROP 65 (CARCINOGEN)

WARNING: this product contains a chemical known to the state of California to cause cancer.

Ingredient Name CAS Number Percent

METHYLENE CHLORIDE 75-09-2 25.82

ETHYL BENZENE (HAPS) 100-41-4 1.81

CHROMIUM(III) COMPOUNDS 1308-38-9 0.86

-PROP 65 (BOTH CARCINOGEN AND TERATOGEN)

WARNING: This product may contain a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

Ingredient Name CAS Number Percent

TOLUENE (HAPS) 108-88-3 1.81

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The information and recommendation contained herein are based on data believed to be correct. However, Dampney makes no warranty expressed or implied regarding the accuracy of these data or results to be obtained from the use thereof. Dampney assumes no responsibility for personal injury or property damage caused by use of the material described herein. It is the responsibility of the purchaser or user to ensure that this material is properly and safely used.