

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER
MSDS Number: 210C
Version Number
MSDS Date: JUL-15-2009
Page Number: 1

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: THURMALOX PRIMER
CAS Number: N/A
Hazard Rating: Health: 2 Fire: 3 Reactivity: 1 PPI:

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

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

Product Class: PART A OF A TWO PART SYSTEM
Trade Name: THURMALOX PRIMER
Product Code: 210C
DOT Hazard Class
UN Number: 1263
Shipping Name: PAINT
Technical Name

SECTION 2. INGREDIENT AND HAZARD INFORMATION

| Ingredient Name | CAS Number | Percent | TSCA |
|--------------------------|------------|---------|------|
| P-CHLOROBENZOTRIFLUORIDE | 98-56-6 | 48.18 | Y |
| ZINC COMPOUND | 1314-13-2 | 11.68 | Y |
| XYLENE (HAPS) | 1330-20-7 | 7.85 | Y |
| | 68855-54-9 | 4.64 | Y |
| ETHYL BENZENE (HAPS) | 100-41-4 | 3.41 | Y |
| VM&P | 64742-89-8 | 3.05 | Y |

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER
MSDS Number: 210C
Version Number
MSDS Date: JUL-15-2009
Page Number: 2

** SPECIAL REMARKS ON ABOVE LISTED INGREDIENTS **

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.
CEL 25 ppm 8 HR TWA
VM&P (typical benzene content, estimated): <0.1% by weight.
VM&P also contains 4% toluene, 8% xylene, 3% ethyl benzene.

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SECTION 3. PHYSICAL DATA

Odor: AROMATIC
pH Value: Not Applicable
Boiling Range: 239.°F - 290.°F
Melting Point: Not Applicable
Evaporation Rate: 0.065 times Slower than n-Butyl Acetate

Vapor Density: Heavier than air

Partition Coefficient: Not Available
% Volatile Weight: 63.6%
% Volatile: 73.7%
Specific Gravity: 1.37236
Weight/Gallon: 11.42 lbs
VOC: 3.47 LBS/GAL
Heavy Elements (ppm): 0.

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SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1B
Flash Range: 50.°F - 109.°F
Explosive Range: 0.9%
7.%

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:

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER
MSDS Number: 210C
Version Number
MSDS Date: JUL-15-2009
Page Number: 3

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 |
|--------------------------|---------|-------------------|
| P-CHLOROBENZOTRIFLUORIDE | | |
| Inhalation | Rat | LC50 4479. PPM |
| Oral | Rat | LD50 6800. mg/kg |
| Skin | Rabbit | LD50 2700. mg/kg |
| XYLENE (HAPS) | | |
| Inhalation | Unknown | LC50 26800. PPM |
| Oral | Unknown | LD50 4300. mg/kg |
| Skin | Unknown | LD50 2000. mg/kg |

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 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.

Chronic effects of VM&P:

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER
MSDS Number: 210C
Version Number
MSDS Date: JUL-15-2009
Page Number: 4

VM&P contains n-hexane. Overexposure to n-hexane may cause progressive and potentially irreversible damage to the peripheral nervous system, particularly in the arms and legs. Simultaneous exposure to the vapors of n-hexane and methyl ethyl ketone or methyl isobutyl ketone above the recommended workplace limits increases the risk of adverse effects from n-hexane.

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.

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.
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.

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER
MSDS Number: 210C
Version Number
MSDS Date: JUL-15-2009
Page Number: 5

CONDITIONS TO AVOID:

Avoid heat, open flames.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and unidentified organics may be formed.

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 regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

| | ACGIH TLV | ACGIH TLV-C | ACGIH STEL | OSHA STEL | OSHA PEL |
|--------------------------|-------------|-------------|------------|------------|------------|
| P-CHLOROBENZOTRIFLUORIDE | N/est | N/est | N/est | N/est | N/est |
| ZINC COMPOUND | 10.00 mg/M3 | 5.00 mg/M3 | N/est | N/est | N/est |
| XYLENE (HAPS) | 100.00 PPM | N/est | 150.00 PPM | 150.00 PPM | 100.00 PPM |

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER
MSDS Number: 210C
Version Number
MSDS Date: JUL-15-2009
Page Number: 6

| | N/est | N/est | N/est | N/est | N/est |
|----------------------|------------|-------|------------|------------|------------|
| ETHYL BENZENE (HAPS) | 100.00 PPM | N/est | 125.00 PPM | 125.00 PPM | 100.00 PPM |
| VM&P | 100.00 PPM | N/est | 125.00 PPM | 125.00 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.

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,

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER
MSDS Number: 210C
Version Number
MSDS Date: JUL-15-2009
Page Number: 7

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.

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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 |
|----------------------|------------|---------|
| ZINC COMPOUND | 1314-13-2 | 11.68 |
| XYLENE (HAPS) | 1330-20-7 | 7.85 |
| ETHYL BENZENE (HAPS) | 100-41-4 | 3.41 |

-PROP 65 (CARCINOGEN)

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

| Ingredient Name | CAS Number | Percent |
|----------------------|------------|---------|
| ETHYL BENZENE (HAPS) | 100-41-4 | 3.41 |
| VM&P | 64742-89-8 | 3.05 |
| CRYSTALLINE SILICA | 14808-60-7 | 0.01 |

-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 | 0.10 |

MATERIAL SAFETY DATA SHEET

MSDS Name: THURMALOX PRIMER

MSDS Number: 210C

Version Number

MSDS Date: JUL-15-2009

Page Number: 8

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The information and recommendations contained herein are based on data believed to be correct. However, Dampney makes no warranty express 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 damaged 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.

MATERIAL SAFETY DATA SHEET

MSDS Name: ZINC DUST COMPONENT
MSDS Number: 2452
Version Number
MSDS Date: JUN-03-2009
Page Number: 1

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: ZINC DUST COMPONENT
CAS Number: N/A
Hazard Rating: Health: 0 Fire: 1 Reactivity: 1 PPI:

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

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

Product Class: ZINC DUST FOR 210 & 245 PRIMER
Trade Name: ZINC DUST COMPONENT
Product Code: 2452
DOT Hazard Class
UN Number
Shipping Name: PAINT
Technical Name

SECTION 2. INGREDIENT AND HAZARD INFORMATION

| Ingredient Name | CAS Number | Percent | TSCA |
|-----------------|------------|---------|------|
| *ZINC DUST | 7440-66-6 | 100.00 | Y |

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory

SECTION 3. PHYSICAL DATA

Form: GRAY POWDER
Odor: NONE
pH Value: Not Applicable
Boiling Range: Not Applicable

MATERIAL SAFETY DATA SHEET

MSDS Name: ZINC DUST COMPONENT
MSDS Number: 2452
Version Number
MSDS Date: JUN-03-2009
Page Number: 2

Melting Point: Not Applicable
Evaporation Rate: Non Volatile

Vapor Density: Heavier than air

Partition Coefficient Not Available
% Volatile Weight Not Applicable
% Volatile Not Applicable
Specific Gravity: 7.101
Weight/Gallon: 59.17 lbs
VOC NONE
Heavy Elements (ppm) 0.

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SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flammability Class
Flash Range: Not Applicable
Explosive Range: 0.5 oz/ft3 0.%
0.%

EXTINGUISHING MEDIA:

CLASS D Extinguisher. Dry powder type. Avoid water.
AVOID WATER

SPECIAL FIREFIGHTING PROCEDURES:

Dry zinc dust will not ignite spontaneously; but once ignited may burn readily in air. Do not spread material. Smother and allow fire to go out. Wear self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Bulk dust in contact with water or damp air evolves hydrogen. The heat produced during this reaction could ignite the hydrogen. An explosive condition may exist if this happens in a confined space. Dry dust forms explosive mixtures with air.

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SECTION 5. HEALTH HAZARD DATA

| Route | Species | Exposure and Dose |
|------------|---------|-------------------|
| *ZINC DUST | | |
| Inhalation | Unknown | LD50 124. PPM |

MATERIAL SAFETY DATA SHEET

MSDS Name: ZINC DUST COMPONENT
MSDS Number: 2452
Version Number
MSDS Date: JUN-03-2009
Page Number: 3

PERMISSIBLE EXPOSURE LEVEL:

15 mg/m3

EFFECTS OF OVEREXPOSURE:

None. However zinc oxide fume may result from combustion of zinc dust. Excessive inhalation of this fume may produce symptoms known as fume fever or "zinc shakes".

EMERGENCY AND FIRST AID PROCEDURES:

Symptoms usually disappear within 24 hours. Symptomatic treatment such as bed rest, possibly aspirin, to afford relief from fever and chills. Obtain medical attention.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

None known.

SECTION 6. STABILITY AND REACTIVITY MEASURES

Stability: This product is stable
Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY:

Avoid contact with water, acids, and alkalis.

CONDITIONS TO AVOID:

Moisture, heat, flame, other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen gas when in contact with water.

SECTION 7. SPILL OR LEAK PROCEDURES

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

Prohibit smoking, avoid all ignition sources, and avoid dusting.
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 Regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

| ACGIH TLV | ACGIH TLV-C | ACGIH STEL | OSHA STEL | OSHA PEL |
|-----------|-------------|------------|-----------|----------|
|-----------|-------------|------------|-----------|----------|

MATERIAL SAFETY DATA SHEET

MSDS Name: ZINC DUST COMPONENT

MSDS Number: 2452

Version Number

MSDS Date: JUN-03-2009

Page Number: 4

*ZINC DUST

10.00 mg/M3 N/est N/est N/est 10.00 mg/M3

RESPIRATORY PROTECTION:

Use NIOSH approved respirator as required to prevent overexposure.

VENTILATION:

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

PROTECTIVE GLOVES:

Recommended.

EYE PROTECTION:

Use splash goggles or face shield to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT:

Fire resistant coveralls are recommended.

SECTION 9. SPECIAL PRECAUTIONS

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

Protect against physical damage. Store in cool, dry, ventilated space, separate from acids and alkalis.

OTHER PRECAUTIONS:

Keep areas where zinc dust is stored and/or used free from all ignition sources.

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 |
|-----------------|------------|---------|
| *ZINC DUST | 7440-66-6 | 100.00 |

MATERIAL SAFETY DATA SHEET

MSDS Name: ZINC DUST COMPONENT

MSDS Number: 2452

Version Number

MSDS Date: JUN-03-2009

Page Number: 5

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