

MATERIAL SAFETY DATA SHEET

MSDS Name: TOPCOAT PART A  
MSDS Number: 219A  
Version Number 3  
MSDS Date: JUL-15-2009  
Page Number: 1

SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: TOPCOAT PART A  
CAS Number N/A  
Hazard Rating: Health: 2 Fire: 3 Reactivity: 0 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 TOPCOAT PART A  
Product Code 219A  
DOT Hazard Class  
UN Number 1263  
Shipping Name PAINT  
Technical Name

SECTION 2. INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
METHYL n-AMYL KETONE	110-43-0	13.69	Y
EPOXY RESIN	28064-14-4	5.05	Y
CRYSTALLINE SILICA	14808-60-7	1.15	Y

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

SPECIAL REMARKS SPECIFIC TO THIS RAW MATERIAL

NTP and IARC concludes that crystalline silica, (respirable) may reasonably be anticipated to be a carcinogen. National Institute for Occupational Safety and Health (NIOSH) recommends maximum

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permissible concentration 0.05 mg/m3 as determined by a full shift sample up to 10 hour working day, 40 hour work week. NTP concludes that silica, crystalline (respirable) may be anticipated to be a carcinogen, IARC CLASS 2A.

SECTION 3. PHYSICAL DATA

Form: LIQUID  
Appearance/Color: METALLIC BLACK  
Odor: SOLVENT  
pH Value: Not Applicable  
Boiling Range: 300.°F - 310.°F  
Melting Point: Not Applicable  
Evaporation Rate: 0.047 times Slower than n-Butyl Acetate  
Vapor Density: Heavier than air  
Partition Coefficient: Not Available  
% Volatile Weight: 15.%  
% Volatile: 35.%  
Specific Gravity: 1.91968  
Weight/Gallon: 15.70 lbs  
VOC: 2.27 LBS/GAL  
Heavy Elements (ppm): 0.

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1B  
Flash Range: 80.°F - 120.°F  
Tag Closed Cup  
Explosive Range: 1.%  
7.9%

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

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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
METHYL n-AMYL KETONE		
Inhalation	Rat	LC50 4000. PPM
Oral	Rat	LD50 1600. mg/kg
Skin	Rabbit	LD50 10206. 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.

Pulmonary functions may be reduced by inhalation of respirable crystalline silica. Lung scarring produced by such inhalation may lead to progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increased susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement,

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heart failure, and pulmonary failure. Smoking aggravates the effects of exposure.

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.

Acute and chronic prolonged exposure to respirable crystalline quartz may cause delayed lung injury, (silicosis). Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death.

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SECTION 6. STABILITY AND REACTIVITY MEASURES

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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.

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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.

Use dustless methods (vacuum), or flush with water. Do not dry sweep.

WASTE DISPOSAL METHOD:

Assure conformity with applicable federal, state and local regulations.

Dispose in accordance with 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
METHYL n-AMYL KETONE	50.00 PPM	N/est	N/est	N/est	100.00 PPM
EPOXY RESIN	N/est	N/est	N/est	N/est	N/est
CRYSTALLINE SILICA					

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0.10 mg/M3 N/est 0.05 mg/M3 0.05 mg/M3 0.10 mg/M3

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.  
Up to 5 X PEL any dust respirator  
Up to 10 X PEL any fume respirator or efficiency particulate filter respirator.  
Up to 50 X PEL a high efficiency particulate filter respirator with full facepiece. Any air supplied respirator with full facepiece helmet or hood.  
Up to 500 X PEL a powered air purifying respirator with a high efficiency particulate filter.  
> than 500 X PEL a self contained breathing apparatus with a full facepiece operated in pressure demand or other positive pressure mode.

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.

Wear protective safety glasses when exposed to dust particles.

OTHER PROTECTIVE EQUIPMENT:

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

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SECTION 9. SPECIAL PRECAUTIONS  
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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

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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.

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SECTION 10. REGULATORY INFORMATION

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-PROP 65 (CARCINOGEN)

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

Ingredient Name	CAS Number	Percent
EPOXY RESIN	28064-14-4	5.05
CRYSTALLINE SILICA	14808-60-7	1.15

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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.

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MATERIAL SAFETY DATA SHEET

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SECTION 1. PRODUCT AND COMPANY INFORMATION

Product Name: TOPCOAT PART B  
CAS Number N/A  
Hazard Rating: Health: 3 Fire: 3 Reactivity: 0 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 B OF A TWO PART SYSTEM  
Trade Name TOPCOAT PART B  
Product Code 219B  
DOT Hazard Class  
UN Number 1263  
Shipping Name PAINT  
Technical Name

SECTION 2. INGREDIENT AND HAZARD INFORMATION

Ingredient Name	CAS Number	Percent	TSCA
METHYL n-AMYL KETONE	110-43-0	25.80	Y
AMINE	N/A	8.58	Y

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

SECTION 3. PHYSICAL DATA

Form: LIQUID  
pH Value: Not Applicable

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Boiling Range: 305.6°F - 388.°F  
Melting Point: Not Applicable  
Evaporation Rate: 0.088 times Slower than n-Butyl Acetate  
  
Vapor Density: Heavier than air  
  
Partition Coefficient Not Available  
% Volatile Weight 33.%  
% Volatile 59.%  
Specific Gravity: 1.4952  
Weight/Gallon: 12.4 lbs  
VOC 3.28 LBS/GAL  
Heavy Elements (ppm) 0.

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SECTION 4. FIRE AND EXPLOSION HAZARD DATA

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Flammability Class  
Flash Range: 102.2°F - 288.°F  
Explosive Range: 1.%  
7.9%

EXTINGUISHING MEDIA:

Foam, CO<sub>2</sub>, 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, to prevent 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.

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SECTION 5. HEALTH HAZARD DATA

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Route	Species	Exposure and Dose
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METHYL n-AMYL KETONE

Inhalation	Rat	LC50 4000. PPM
Oral	Rat	LD50 1600. mg/kg
Skin	Rabbit	LD50 10206. mg/kg

AMINE

Oral	Rat	LD50 500. mg/kg
Skin	Rabbit	LD50 1000. mg/kg

Harmful if in contact with skin. Corrosive to eyes, respiratory system and skin. SEVERE EYE, RESPIRATORY TRACT AND SKIN IRRITANT.

PERMISSIBLE EXPOSURE LEVEL:

SEE SECTION VIII

EFFECTS OF OVEREXPOSURE:

Primary route(s) of entry:

(X) Dermal (X) Inhalation ( ) Ingestion

Acute (short term) exposure:

Eyes - DANGER! Causes severe eye irritation or burns. Do not get product in eyes.

Skin - CORROSIVE, expected to cause severe skin damage with burns.

Respiratory system - CAUTION! Excessive inhalation can cause respiratory irritation, dizziness, nausea, headache, unconsciousness or asphyxiation.

EMERGENCY AND FIRST AID PROCEDURES:

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

Skin - if drenched, remove contaminated clothing under safety and flood exposed areas with water. Get immediate medical attention. Wash contaminated clothing thoroughly before re-use.

Inhalation - if overcome by vapor, remove to an area free from risk of further exposure and call a physician immediately. Administer oxygen or artificial respiration as needed.

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. Give a large quantity of milk or water. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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SECTION 6. STABILITY AND REACTIVITY MEASURES

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

INCOMPATIBILITY:

Oxidizers

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.

LARGE SPILLS: Notify safety personnel. Wear appropriate respirator and protective clothing. Soak up with absorbent such 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. flush area with dilute (5%) acetic acid.

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
METHYL n-AMYL KETONE	50.00 PPM	N/est	N/est	N/est	100.00 PPM
AMINE	N/est	N/est	N/est	N/est	N/est

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RESPIRATORY PROTECTION:

Use a vapor/particulate respirator, such as NIOSH approval No. TC-23C, during and after application and until work areas are exhausted of all vapors and mist.  
IN CONFINED SPACES - use a constant flow air-line respirator such as NIOSH approved no TC-19C. Follow directions for respirator use.

VENTILATION:

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

PROTECTIVE GLOVES:

Use of chemical resistant gloves to prevent skin contact is mandatory.

EYE PROTECTION:

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

OTHER PROTECTIVE EQUIPMENT:

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

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SECTION 9. SPECIAL PRECAUTIONS

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

Protect containers against physical damage. Keep away from heat, flame, and strong oxidizing agents. Do not store above 100 F. Use only with adequate ventilation. Keep containers closed when not in use. Do not breath vapor or mist. Avoid contact with eyes, skin, and clothing. Do not take internally.

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

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-PROP 65 (CARCINOGEN)

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

Ingredient Name	CAS Number	Percent
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CRYSTALLINE SILICA 14808-60-7 0.01

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