



Thurmalox 219B

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Thurmalox 219B**

Product Code(s) : 219B

Recommended use of the chemical and restrictions on use

: Coating agent  
Use pattern: Professional Use Only  
Recommended restrictions: None Known.

Chemical family : Mixture.

Name, address, and telephone number  
of the supplier:

**Dampney Company, Inc.**

85 Paris Street  
Everett, Massachusetts, U.S.A.  
02149

Email: sales@dampney.com

Supplier's Telephone # : (617) 389-2805

**24 Hr. Emergency Tel #** : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887  
(Outside U.S.).

Name, address, and telephone number of  
the manufacturer:

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Black liquid. Solvent odor.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:

Flammable Liquids - Category 3

Skin Corrosion/Irritation - Category 1

Serious eye damage/eye irritation - Category 1

Specific Target Organ Toxicity, Single Exposure -Category 3 (respiratory)

Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

Flammable liquid and vapour.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

May cause drowsiness and dizziness.



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### Precautionary statement(s)

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use explosion-proof electrical and ventilating equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Do not breathe mist or vapor.  
Use only outdoors or in a well-ventilated area.  
Wash thoroughly after handling.  
Wear protective gloves/clothing and eye/face protection.

If swallowed: Rinse mouth. Do not induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If skin irritation occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a POISON CENTRE or doctor/physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Immediately call a POISON CENTRE or doctor/physician.  
In case of fire: Use alcohol-resistant foam, carbon dioxide or dry chemical to extinguish.

Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.  
Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other hazards

No OSHA defined hazard classes.

Other hazards which do not result in classification: May be sensitive to static discharge. Burning produces obnoxious and toxic fumes. Ingestion may cause severe irritation to the mouth, throat and stomach. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Methyl amyl ketone	2-Heptanone	110-43-0	20.0 - 30.0
Cyclohexanamine, 4,4'-methylenebis-	4,4'-DIAMINODICYCLOHEXYL METHANE	1761-71-3	5.0 - 10.0
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	5.0 - 10.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

### Description of first aid measures

- Ingestion* : IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.



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- Skin contact* : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately.
- Eye contact* : Flush eyes thoroughly with running water for at least 20 minutes, holding eyelids open to ensure complete flushing. Call a physician or poison control center immediately.

### Most important symptoms and effects, both acute and delayed

- : Harmful if swallowed. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. May cause drowsiness and dizziness. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Causes severe skin irritation. Symptoms may include redness, itching and swelling. Symptoms may include redness, blistering, pain and swelling. Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis. Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

### Indication of any immediate medical attention and special treatment needed

- : Immediate medical attention is required. Causes chemical burns. Treat symptomatically. This product is a CNS depressant.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### *Suitable extinguishing media*

- : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### *Unsuitable extinguishing media*

- : Do not use water jet, as this may spread burning material.

### Special hazards arising from the substance or mixture / Conditions of flammability

- : Flammable liquid and vapour. Keep away from heat and flame. This product will accumulate static charge by flow, splashing or agitation. Vapors may travel considerable distance to a source of ignition and flash back. Vapours are heavier than air and collect in confined and low-lying areas. Product may float, and be re-ignited at the water's surface. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 3

### Hazardous combustion products

- : Carbon oxides ; Other unidentified organic compounds.

### Special protective equipment and precautions for firefighters

#### *Protective equipment for fire-fighters*

- : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

#### *Special fire-fighting procedures*

- : Move containers from fire area if safe to do so. Use water spray to cool unopened containers. Avoid spreading burning liquid with water spray used for cooling purposes. Do not allow run-off from fire fighting to enter drains or water courses. Prevent fire extinguishing water from contaminating surface water or the ground water system. Dike for water control.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- : Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapour or mist. Restrict access to area until completion of clean-up. Remove all sources of ignition. All persons dealing with the clean-up should wear the appropriate personal protective equipment. For personal protection see section 8.



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**Environmental precautions** : Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. For large spills, dike the area to prevent spreading.

**Methods and material for containment and cleaning up**

- : Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Do not use combustible absorbents, such as sawdust. Bond and ground transfer containers and equipment to avoid static accumulation. Contaminated absorbent material may pose the same hazards as the spilled product. Pick up and transfer to properly labeled containers. Contact the proper local authorities.

**Special spill response procedures**

- : In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. EPA/CERCLA Reportable quantity (RQ): None.

### SECTION 7. HANDLING AND STORAGE

**Precautions for safe handling**

- : Keep away from heat and flame. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Bond and ground transfer containers and equipment. Use explosion-proof electrical and ventilating equipment. Use non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye/face protection. Avoid breathing vapour or mist. Do not ingest. Avoid contact with skin, eyes and clothing. Avoid contact with incompatible materials. Encourage good housekeeping and personal hygiene.

**Conditions for safe storage** : Store in well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. Store away from incompatibles and out of direct sunlight. Take measures to prevent the build up of electrostatic charge. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

**Incompatible materials** : Strong oxidizers, acids and bases.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:**

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Methyl amyl ketone	50 ppm	N/Av	100 ppm ; 465 mg/m <sup>3</sup>	N/Av
Cyclohexanamine, 4,4'-methylenebis-	N/Av	N/Av	N/Av	N/Av
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	N/Av	N/Av	N/Av	N/Av

**Exposure controls**

**Ventilation and engineering measures**

- : Use only outdoors or in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof electrical and ventilating equipment. In case of insufficient ventilation wear suitable respiratory equipment.



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- Respiratory protection** : If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.
- Skin protection** : Wear protective gloves/clothing. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye / face protection** : Wear eye/face protection. Chemical splash goggles are recommended.
- Other protective equipment** : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.
- General hygiene considerations** : Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use. Do not take contaminated clothing home. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Black liquid.
- Odour** : Solvent odor.
- Odour threshold** : N/Av
- pH** : N/Av
- Melting/Freezing point** : N/Av
- Initial boiling point and boiling range** : 150- 208.8°C- (302-408°F)
- Flash point** : 39-142.22°C (102.2-288°F)
- Flashpoint (Method)** : Closed cup
- Evaporation rate (BuAe = 1)** : 0.322 times slower than n-Butyl acetate
- Flammability (solid, gas)** : N/Av
- Lower flammable limit (% by vol.)** : N/Av
- Upper flammable limit (% by vol.)** : N/Av
- Oxidizing properties** : None known.
- Explosive properties** : Not explosive
- Vapour pressure** : N/Av
- Vapour density** : >1
- Relative density / Specific gravity** : 1.222
- Solubility in water** : N/Av
- Other solubility(ies)** : N/Av
- Partition coefficient: n-octanol/water or Coefficient of water/oil distribution** : N/Av
- Auto-ignition temperature** : N/Av
- Decomposition temperature** : N/Av
- Viscosity** : 300 cSt at 40°C
- Volatiles (% by weight)** : 49%
- Volatile organic Compounds (VOC's)** : 2.6lbs/gal



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### Absolute pressure of container

: N/Ap

### Flame projection length

: N/Av

### Other physical/chemical comments

: None reported by the manufacturer.

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive.

**Chemical stability** : Stable under normal conditions.

### Possibility of hazardous reactions

: Hazardous polymerization does not occur. May be sensitive to static discharge.

### Conditions to avoid

: Keep away from heat, sparks and flame. Take precautionary measures against static discharge. Keep away from direct sunlight. Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials.

### Incompatible materials

: Strong oxidizers, acids and bases.

### Hazardous decomposition products

: See Section 5 (Fire Fighting Measures).

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

**Routes of entry inhalation** : YES

**Routes of entry skin & eye** : YES

**Routes of entry Ingestion** : YES

### Routes of exposure skin absorption

: NO

### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: May cause respiratory irritation. Symptoms may include sore throat, running nose and shortness of breath. Inhalation may cause headache, nausea and central nervous effects such as dizziness, coordination difficulties and unconsciousness.

##### *Sign and symptoms ingestion*

: Harmful if swallowed. Ingestion may cause severe irritation to the mouth, throat and stomach.

##### *Sign and symptoms skin*

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Skin Corrosion/Irritation - Category 1 Causes severe skin burns and eye damage. Symptoms may include redness, blistering, pain and swelling.

##### *Sign and symptoms eyes*

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Serious eye damage/eye irritation - Category 1 Causes serious eye damage. Symptoms may include redness, pain, tearing and conjunctivitis.

#### Potential Chronic Health Effects

: Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

#### Mutagenicity

: Not expected to be mutagenic in humans.



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**Carcinogenicity** : No components present at greater than 0.1% are considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive effects & Teratogenicity** : This product is not expected to cause reproductive or developmental effects.

**Sensitization to material** : Not expected to be a skin or respiratory sensitizer.

**Specific target organ effects** : Eyes, skin, respiratory system, digestive system, central nervous system.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:

Specific Target Organ Toxicity, Single Exposure -Category 3 (respiratory)

May cause respiratory irritation.

Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects

May cause drowsiness and dizziness.

Not classified as specific target organ toxicity-repeated exposure.

**Medical conditions aggravated by overexposure**

: Pre-existing skin, eye, respiratory and central nervous system disorders.

**Synergistic materials**

: None reported by the manufacturer.

**Toxicological data**

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data. The calculated ATE values for this mixture are:  
 ATE oral = 3290.00 mg/kg  
 ATE inhalation (vapours) = 55.01 mg/L

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Methyl amyl ketone	>16 mg/L	1670 mg/kg	10,300 mg/kg
Cyclohexanamine, 4,4'-methylenebis-	N/Av	>670 <1000 mg/kg	>1000 mg/kg (No mortality)
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	N/Av	3000 mg/kg	>2000 mg/kg

**Other important toxicological hazards**

: None known or reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : Contains material that may be harmful in the environment. Should not be released into the environment. See the following tables for the substance's ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Methyl amyl ketone	110-43-0	131 mg/L (Fathead minnow)	N/Av	None.
Cyclohexanamine, 4,4'-methylenebis-	1761-71-3	67.8 mg/L (Golden orfe)	N/Av mg/L (Golden orfe)	None.
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	143860-04-2	129 mg/L (Rainbow trout)	20 mg/L (Rainbow trout)	None.



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<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Methyl amyl ketone	110-43-0	N/Av	N/Vv	None.
Cyclohexanamine, 4,4'-methylenebis-	1761-71-3	6.84mg/L(Daphnia magna)	N/Av	None.
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	143860-04-2	52 mg/L (Daphnia magna)	25 mg/L (Daphnia magna)	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Methyl amyl ketone	110-43-0	75.5 mg/L (Green algae)	N/Av	None.
Cyclohexanamine, 4,4'-methylenebis-	1761-71-3	2164 mg/L (Green algae)	N/Av	None.
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	143860-04-2	0.99 mg/L (Green algae)	0.34 mg/L (Green algae)	1

**Persistence and degradability**

: No data is available on the product itself.

**Bioaccumulation potential**

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Methyl amyl ketone (CAS 110-43-0)	1.98	1.98
Cyclohexanamine, 4,4'-methylenebis- (CAS 1761-71-3)	2.03	N/Av

**Mobility in soil**

: No data is available on the product itself.

**Other Adverse Environmental effects**

: None known or reported by the manufacturer.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal**

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

**Methods of Disposal**

: Dispose in accordance with all applicable regulations.

**RCRA**

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.









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### SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN1263	PAINT	3	III	
<b>49CFR/DOT Additional information</b>	When transported as a limited quantity the maximum net capacity specified in 173.150(b)(2) of the subchapter 49CFR for inner packagings may be increased to 5L (1.3 gallons) 172.102(C)(1)(149) special provision 149.				
TDG	UN1263	PAINT	3	III	
<b>TDG Additional information</b>	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. ERG #128				
IMDG	UN1263	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid laquer base)	3	III	
<b>IMDG Additional information</b>	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
ICAO/IATA	UN1263	Paint	3	III	
<b>ICAO/IATA Additional information</b>	Refer to ICAO/IATA packing instruction.				

**Special precautions for user** : Keep away from heat, sparks and open flame. - No smoking.

**Environmental hazards** : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
 : Not available.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Methyl amyl ketone	110-43-0	Yes	N/Ap	N/Av	No	N/Ap
Cyclohexanamine, 4,4'-methylenebis-	1761-71-3	Yes	N/Ap	N/Av	No	N/Ap
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	143860-04-2	Yes	N/Ap	N/Av	No	N/Ap



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SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Fire Hazard; Acute Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

### US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Methyl amyl ketone	110-43-0	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Cyclohexanamine, 4,4'-methylenebis-	1761-71-3	No	N/Ap	No	No	No	No	No	No
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	143860-04-2	No	N/Ap	No	No	No	No	No	No

### Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS Classification: See Section 2.

### International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Methyl amyl ketone	110-43-0	203-767-1	Present	Present	Not listed	Not listed	Present	Not listed
Cyclohexanamine, 4,4'-methylenebis-	1761-71-3	217-168-8	Present	Present	(4)-101; (3)-2272	KE-23815	Present	HSR003552
Oxazolidine, 3-ethyl-2-methyl-2-(3-methylbutyl)-	143860-04-2	421-150-7	Present	No data available.	(5)-6453	No data available.	No data available.	No data available.

## SECTION 16. OTHER INFORMATION

### Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
AICS: Australian Inventory of Chemical Substances  
CA: California  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CSA: Canadian Standards Association  
DOT: Department of Transportation  
EC50: Effective Concentration 50%.  
EINECS: European Inventory of Existing Commercial chemical Substances  
ENCS: Existing and New Chemical Substances  
EPA: Environmental Protection Agency  
HMIS: Hazardous Materials Identification System  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer



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IECSC: Inventory of Existing Chemical Substances  
 IMDG: International Maritime Dangerous Goods  
 Inh: Inhalation  
 KECI: Korean Existing Chemicals Inventory  
 KECL: Korean Existing Chemicals List  
 LC: Lethal Concentration  
 LD: Lethal Dose  
 N/Ap: Not Applicable  
 N/Av: Not Available  
 NFPA: National Fire Protection Association  
 NJ: New Jersey  
 NIOSH: National Institute of Occupational Safety and Health  
 NOEC: No observable effect concentration  
 NTP: National Toxicology Program  
 OECD: Organisation for Economic Co-operation and Development  
 OSHA: Occupational Safety and Health Administration  
 PA: Pennsylvania  
 PEL: Permissible exposure limit  
 PICCS: Philippine Inventory of Chemicals and Chemical Substances  
 RCRA: Resource Conservation and Recovery Act  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SARA: Superfund Amendments and Reauthorization Act  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TPQ: Threshold Planning Quantity  
 TSCA: Toxic Substance Control Act  
 TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

**References** : Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).  
 OECD- The Global Portal to Information on Chemical Substances - eChemPortal, 2015  
 European Chemicals Agency, Classification Legislation, 2015  
 Material Safety Data Sheet from manufacturer.

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**Other special considerations for handling** : Provide adequate information, instruction and training for operators.

<p><b>Prepared for:</b>          Dampney Company, Inc.          85 Paris Street          Everett MA 02149 U.S.A          Telephone: (617) 389-2805          Please direct all inquiries to Dampney Company.</p>	
<p><b>Prepared by:</b>          ICC The Compliance Center Inc.          Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)  <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

### DISCLAIMER

This Safety Data Sheet was prepared by ICC The Compliance Center Inc using information provided by / obtained from Dampney Company, Inc and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for



Dampney Company, Inc.  
85 Paris Street  
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**Thurmalox 219B**

**SDS Preparation Date (mm/dd/yyyy): 02/09/2016**

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## **SAFETY DATA SHEET**

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