



## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label :Thurmalox 884-082**

**Product Code(s)** : 884-082

**Recommended use of the chemical and restrictions on use**

: Heat Resistant Temperature Indicating Coating

Use pattern : Professional Use Only

Recommended restrictions : None Known.

**Chemical family** : Mixture.

**Name, address, and telephone number of the manufacturer:**

**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.).

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Green 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).

Flammable Liquid – Category 2

Acute toxicity (Inhalation) – Category 4

Acute toxicity (Oral) – Category 4

Skin Irritation – Category 2

Specific Target Organ Toxicity - Single Exposure – Category 3 (Narcotic effects)

Specific Target Organ Toxicity - Repeated Exposure – Category 2

Aspiration Hazard – Category 1

Toxic to reproduction (unborn child) – Category 2

*Hazard pictogram(s)*

GHS-02 Flame

GHS-07 Exclamation Mark

GHS-08 Health Hazard



**DANGER!**

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H373 May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure (if it is conclusively proven that no other routes of exposure cause the hazard)).

**Precautionary statement(s)**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, lighting, mixing, application equipment.



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P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust, fume, gas, mist, vapours, or spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves, protective clothing, eye protection, and face protection.  
P281 Use personal protective gloves, protective clothing, eye protection, and face protection.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or hospital emergency room.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P312 Call a POISON CENTER, doctor, or hospital emergency room if you feel unwell.  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P370 + P378 In case of fire: Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam to extinguish.

P403 + P233 + P235 (S) Store in a cool, well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

P501 Dispose of contents and empty container in accordance with local, state and federal regulations.

Other hazards  
No OSHA defined hazard classes.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	CAS #	Concentration (% by weight)
Methyl Amyl Ketone	110-43-0	22.81
Xylene	1330-20-7	14.09
Toluene	108-88-3	5.89
Ethylbenzene	100-41-4	4.98
Copper Phthalocyanine Complex	68987-63-3	2.11

### 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. Material is an aspiration hazard. Guard against aspiration into lungs by having the individual turn on their left side. 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.

*Skin contact* : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

*Eye contact* : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

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

: 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,



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dizziness, drowsiness and other central nervous system effects. Causes skin irritation. Symptoms may include redness, itching and swelling. Direct eye contact may cause slight or mild, transient irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Suspected of causing cancer.

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

: 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

Highly 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 2

**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 firefighting 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.

**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.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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



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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 buildup 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:

Chemical Name	OSHA TWA	OSHA PEL	OSHA STEL
Methyl Amyl Ketone	n/a	200 ppm 590 mg/m3	n/a
Xylene	100 ppm	100 ppm 435 mg/m3	n/a
Toluene	20 ppm	200 ppm	300 ppm (Ceiling)
Ethylbenzene	20 ppm	100 ppm (435 mg/m3)	n/a
Copper Phthalocyanine Complex	n/a	n/a	n/a

#### 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 equipment. In case of insufficient ventilation wear suitable respiratory equipment.

**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. 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:** 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:** : Avoid breathing vapour or mist. 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 Odour	: Green liquid. Solvent odor.
Odour threshold	: N/A
pH	: N/A
Melting/Freezing point	: N/A
Boiling range	: 275°F – 308°F
Flash point	: 80°F – 120°F
Explosive Range	: 1.0% – 7.9%
Evaporation rate (BuAe = 1)	: ..0112 times slower than n-Butyl Acetate.



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Vapour pressure	Vapour density	: Heavier than air
Volatile weight		: 48.0 %
Volatile volume		: 65.0 %
Weight per gallon in pounds		: 9.6 lb/gal
VOC		: 4.63 lbs / gal

### SECTION 10. STABILITY AND REACTIVITY

**Incompatibility:** Avoid contact with strong oxidizing agents, acids or bases.

**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.

**Hazardous decomposition products:** Carbon monoxide and unidentified organics may be formed.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### 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

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Causes symptoms similar to those listed for inhalation.

##### 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 Irritation - Category 2 Causes skin irritation. Symptoms may include mild redness and swelling.

##### Sign and symptoms eyes

: Direct eye contact may cause slight or mild, transient irritation.

#### 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.

#### Carcinogenicity

: 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: Carcinogenicity - Category 2 Suspected of causing cancer. Contains Ethylbenzene. Ethylbenzene is classified as carcinogenic by IARC (Group 2B) and ACGIH (Category A3).

#### Reproductive effects & Teratogenicity

: 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: Reproductive Toxicity - Category 2 Suspected of damaging the unborn child.

#### 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.



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Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects May cause drowsiness and dizziness.

Specific Target Organ Toxicity, Repeated Exposure - Category 2 May cause damage to organs through prolonged or repeated exposure. Contains Toluene.

Toluene may cause damage to the brain and nervous system through prolonged or repeated exposure, if inhaled.

**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. See below for individual ingredient acute toxicity data.

Chemical name	LC50(4hr) Inhalation rat	LD50	
		(Oral, rat)	(Rabbit, dermal)
Methyl Amyl Ketone	n/a	n/a	n/a
Xylene	6350 ppm (27.6 mg/L) (vapours)	3253 mg/kg	12 180 mg/kg
Toluene	7585 ppm (28.1 mg/L) (vapour)	5580 mg/kg	12 125 mg/kg
Ethylbenzene	4000 ppm (17.4 mg/L) (vapour)	3500 mg/kg	15 380 mg/kg
Copper Phthalocyanine Complex	Not determined	>5000 mg/kg	Not determined

**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:**

Ingredients	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Methyl Amyl Ketone	110-43-0	n/a	n/a	n/a
Xylene	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.
Toluene	108-88-3	5.4 mg/L (pink salmon)	1.4 - 4.0 mg/L	None.
Ethylbenzene	100-41-4	4.2 mg/L (Rainbow trout)	1.13 mg/L/30 days	None.
Copper Phthalocyanine Complex	68987-63-3	Not determined	Not determined	Not determined

Ingredients	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Methyl Amyl Ketone	110-43-0	n/a	n/a	n/a



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Xylene	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.
Toluene	108-88-3	3.78 mg/L Ceriodaphnia (water flea)	0.53 - 1 mg/L	None.
Ethylbenzene	100-41-4	1.81 mg/L (Daphnia magna)	N/Av	None.
Copper Phthalocyanine Complex	68987-63-3	Not determined	Not determined	Not determined

Ingredients	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Methyl Amyl Ketone	110-43-0	n/a	n/a	n/a
Xylene	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.
Toluene	108-88-3	N/Av	10 mg/L/72hr (Green algae)	None.
Ethylbenzene	100-41-4	3.6 mg/L/96hr (Green algae)	3.4 mg/L/96hr	None.
Copper Phthalocyanine Complex	68987-63-3	Not determined	Not determined	Not determined

**Persistence and degradability**

: NO data is available on the product itself.

**Bioaccumulation potential**

: NO data is available on the product itself.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Methyl Amyl Ketone	n/a	n/a
Xylene (CAS 1330-20-7)	3.12 - 3.2	0.6 - 15
Toluene (CAS 108-88-3)	2.73	n/a
Ethylbenzene (CAS 100-41-4)	3.15	15 species: fish
Copper Phthalocyanine Complex	Not determined	Not determined

**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 RCRA**

: Dispose in accordance with all applicable regulations.  
 : 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.

**SECTION 14. TRANSPORTATION INFORMATION**

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
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49CFR/DOT	UN1263	Paint	3	III	
Additional information	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	
Additional information	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.				
IMDG	UN1263	PAINT	3	III	
Additional information	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	
Additional information	Refer to ICAO/IATA Packing Instruction.				

**Special precautions for user**

: Keep away from heat, sparks and open flame. - No smoking.

**Environmental hazards** : See ECOLOGICAL INFORMATION, Section 12.

**SECTION 15 - REGULATORY INFORMATION**

**US Federal Information:**

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

Ingredients	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/a	None	No	NS
Xylene	1330-20-7	Yes	100 lb/ 45.4 kg	None.	Yes	1%
Toluene	108-88-3	Yes	1000 lb/ 454 kg	None.	Yes	1%
Ethylbenzene	100-41-4	Yes	1000 lb/ 454 kg	None.	Yes	0.1%
Copper Phthalocyanine Complex	68987-63-3	Yes	n/a	None	Yes	NS

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Fire Hazard; Acute Health Hazard; Chronic 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:

Ingredients	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	No	No	No	No	No	No
Xylene	1330-20-7	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Toluene	108-88-3	No	Developmental	Yes	Yes	Yes	Yes	Yes	Yes
Ethylbenzene	100-41-4	Yes	Cancer	Yes	Yes	Yes	Yes	Yes	Yes
Copper Phthalocyanine Complex	68987-63-3	No	N/A	No	No	No	No	No	No





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### 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:

Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	New Zealand IOC
Methyl Amyl Ketone	110-43-0	203-767-1	Present	Present	(2)-542	KE-18303	Present	HSR001084
Xylene	1330-20-7	215-535-7	Present	Present	(3)-60; (3)-3	KE-35427	Present	HSR000983
Toluene	108-88-3	203-625-9	Present	Present	(3)-2	KE-33936	Present	HSR001227
Ethylbenzene	100-41-4	202-849-4	Present	Present	(3)-60; (3)-28	KE-13532	Present	HSR001151
Copper Phthalocyanine Complex	68987-63-3	273-501-7	Present	Present	1-(1)-527	KE-08949	Present	Under Group Standard

## 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

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: Organization 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



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Everett, Massachusetts, U.S.A 02149  
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Telephone: (617) 389 2805

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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, CCInfoWeb databases, 2015 (Chempendium, RTECs, HSDB, INCHEM).  
OECD- The Global Portal to Information on Chemical Substances - eChemPortal, 2015  
European Chemicals Agency, Classification Legislation,  
Material Safety Data Sheet from manufacturer.

**Preparation Date (mm/dd/yyyy):** 10/29/2019

### Other special considerations for handling

: Provide adequate information, instruction and training for operators.

The information and recommendations 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.

**END OF DOCUMENT**