

Thurmalox 270V-3

SDS Preparation Date (mm/dd/yyyy): 01/15/2025

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# SAFETY DATA SHEET

#### **SECTION 1. IDENTIFICATION**

Product identifier used on the label: Thurmalox Black VOC Compliant

Product Code(s): 270V-3

# Recommended use and restrictions on use:

Heat resistant coating

Recommended restrictions: None Known.

## 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 North America)

# **SECTION 2. HAZARDS IDENTIFICATION**

Classification of the chemical

Black liquid. Solvent odor.

## Classification:

Flammable Liquid – Category 2
Flammable Liquid – Category 3
Acute toxicity (Inhalation) – Category 4
Acute toxicity (Oral) – Category 4
Skin Irritation – Category 2
Eye irritation – Category 2
Specific Target Organ Toxicity - Single Exposure – Category 3
Specific Target Organ Toxicity - Repeated Exposure – Category 2
Aspiration Hazard – Category 1

# Label elements

Hazard pictogram(s)







Signal Word DANGER

Hazard statement(s)

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.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.



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H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

## 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.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe 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.

P281 Use personal protective gloves, protective clothing, eye protection, and face protection.

#### RESPONSE:

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.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTER, doctor, or hospital emergency room.

P312 Call a POISON CENTER, doctor, or hospital emergency room if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P321 Specific treatment see first aid on this label.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P370 + P378 In case of fire: Use dry chemical, CO2, water spray (fog) or foam to extinguish.

#### STORAGE

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

P405 Store locked up.

### DISPOSAL

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

## Other hazards

No OSHA defined hazard classes.

## Other hazards which do not result in classification:

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

Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product contains Manganese compounds. Chronic manganese exposures can lead to neurological problems such as apathy, drowsiness, weakness, spastic gait, paralysis, and other neurological problems resembling Parkinsonism. These symptoms can become progressive and permanent if not treated.



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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No	Weight %*
67-64-1	34.78
540-88-5	15.25
1330-20-7	4.50
71-36-3	3.81
1333-86-4	2.93
108-88-3	2.26
107-87-9	1.82
1344-43-0	1.61
100-41-4	1.32
	67-64-1 540-88-5 1330-20-7 71-36-3 1333-86-4 108-88-3 107-87-9 1344-43-0

## **SECTION 4. FIRST-AID MEASURES**

First aid measures for different exposure routes

EYES – For eye contact, flush with running water for at least 15 minutes. If eye irritation persists: get medical advice / attention.

SKIN – Immediately flush with plenty of water, while removing contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

INHALATION – If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.

INGESTION – Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

Most important symptoms and effects, both acute and delayed

Causes skin irritation. Redness, swelling, itching and dryness. May cause respiratory irritation. May cause coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. Causes serious eye irritation. Symptoms may include stinging and tearing. Prolonged exposure can cause central nervous system effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm. Suspected of causing cancer. Chronic overexposure to xylene has been suggested to cause cardiac abnormality in humans.

## **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam; Water fog.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during firefighting: Highly flammable liquid and vapour Vapours may ignite explosively. Vapours are heavier than air and may spread along floors. Static discharge, impact, friction, and heat may ignite exposed chemical material. Empty containers may contain hazardous residues.

Hazardous combustion products: Carbon dioxide, carbon monoxide and other unidentified organic compounds.



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Special fire-fighting procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated I positive pressure mode.

Do not breathe fumes or vapours. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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.

#### SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes. Avoid breathing vapors or mists. Avoid skin contact. Use with adequate ventilation. Keep away from heat, flames, and all other sources of ignition. Keep away from all sources of electricity such as electric motors and hatteries

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a cool, well-ventilated place.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Occupational Exposure Limits

	ACGIH TLV TWA	OSHA PEL TWA
Acetone	500.0 ppm	1,000.0 ppm
Tertiary Butyl Acetate	200.0 ppm	200.0 ppm
Xylene	100.0 ppm	100.0 ppm (435 mg/m <sup>3</sup> )
n-Butyl Alcohol	20.0 ppm	100.0 ppm (300 mg/m <sup>3</sup> )
Carbon Black	3.0 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>
Toluene	20.0 ppm	200.0 ppm
Methyl Propyl Ketone	150.0 ppm	200.0 ppm
Manganese Compounds	n/a	n/a
Ethyl Benzene	20.0 ppm	100.0 ppm (435 mg/m <sup>3</sup> )

# Respiratory Protection:

Use NIOSH approved respirator as required to prevent overexposure.

If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in c=accordance with OSHA



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(29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

Ventilation and engineering measures:

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.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Liquid Appearance/Color: Black Odor: Solvent

pH Value: Not Applicable

Flammability Class 1B

Flash Range: -4.0°F - 80.0°F
Explosive Range: 1.0% - 12.8%
Boiling Range: 131.0°F - 290.0°F
Melting Point: Not Applicable

Evaporation Rate: 5.357 times faster than n-Butyl Acetate

Vapor Density: Heavier than air

Partition Coefficient

% Volatile Weight

% Volatile Volume

Specific Gravity:

Weight/Gallon:

Not Available
65.0%
79.0%
1.00775
8.4 lbs

VOC 3.21 LBS/GAL

## **SECTION 10. STABILITY AND REACTIVITY**

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.

# **SECTION 11. TOXICOLOGICAL INFORMATION**

Routes of Exposure:
Inhalation: Yes
Skin & Eye: Yes
Ingestion: Yes
Skin Absorption: Yes

Signs and symptoms of short-term (acute) exposure

Signs and symptoms of inhalation:

relephone: (617) 3

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May cause respiratory tract irritation. Coughing, difficulty breathing, and tightness in chest. May cause headache, nausea, dizziness and other symptoms of central nervous system depression.

#### Signs and symptoms of ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Signs and symptoms of skin:

Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.

#### Sign and symptoms of eyes:

Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.

#### Potential Chronic Health Effects:

Prolonged exposure can cause central nervous system effects. Chronic manganese exposures can lead to neurological problems such as apathy, drowsiness, weakness, spastic gait, paralysis, and other neurological problems resembling Parkinsonism. These symptoms can become progressive and permanent if not treated

#### 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 and 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.

Contains Toluene. Toluene may cause fetotoxic effects at doses which are not maternally toxic, based on animal data.

### Sensitization to material:

Not expected to be a skin or respiratory sensitizer.

## Specific target organ effects:

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200)

(Hazcom 2012). Classification:

Specific target organ toxicity, single exposure - Category 3.

May cause drowsiness or dizziness.

May cause respiratory irritation

Specific target organ toxicity (STOT), repeated exposure - Category 2 May cause damage to the central nervous system through prolonged or repeated exposure if inhaled.

Medical conditions aggravated by overexposure: Pre-existing skin, eye, respiratory and central nervous system disorders.

Chemical Name	LC50(4hr) inh. rat	LD50		
		(Oral, rat)	(Rabbit, dermal)	
Acetone	20.0 mg/l	>2,000. mg/kg	>2,000. mg/kg	
Tertiary Butyl Acetate	>2,230 mg/m3	4,100 mg/kg	>2,000 mg/kg	
Xylene (Haps)	6,350. ppm (27.6 mg/l)	3,253. mg/kg	12,180. mg/kg	
N-Butyl Alcohol	8,000. ppm (24.3 mg/l)	790 4360. mg/kg	3,402. mg/kg	
Carbon Black	N/Av	8,000. mg/kg	15,380. mg/kg	



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Toluene (Haps)	7,585. ppm (28.1 mg/l)	5,580. mg/kg 12,125. mg/kg		5,580. mg/kg		12,125. mg/kg
Methyl Propyl Ketone	1,600.0 mg/l	>2,000. mg/kg		y/l >2,000. mg/kg >2,000. mg/l		>2,000. mg/kg
Manganese Compounds	N/Av	N/Av		N/Av		
Ethyl Benzene (Haps)	4,000. ppm (17.4 mg/l)	N/Av	6,500. mg/kg			

# **SECTION 12. ECOLOGICAL INFORMATION**

# **Ecotoxicity**

PRODUCT	RESULT	SPECIES	EXPOSURE
Acetone	LC50 100 mg/l	Rainbow Trout	96 hours
	EC50 100 mg/l	Water Flea	48 hours
	EC50 100 mg/l	Green Algae	96 hours
Tertiary Butyl Acetate	LC50 240.0 mg/l	Rainbow trout	96 hours
	EC50 350 mg/L	Daphnia magna	48 hours
	EC50 16.0 mg/L	Green algae	96 hours
Xylene	LC50 8.2 mg/l	Rainbow trout	96 hours
	EC50 3.2 – 9.56mg/l	Daphnia magna	48 hours
	EC50 3.2 – 4.9 mg/l	Green Algae	96 hours
n-Butanol	LC50 1376 mg/l	Fathead Minnow	96 hours
	EC50 1328 mg/l	Daphnia magna	48 hours
	EC50 225 mg/l	Green Algae	96 hours
Carbon Black	LC50 1000 mg/l	Zebrafish	96 hours
	EC50 1000 mg/l	Water flea	24 hours
	EC50 10000 mg/l	Scenedesmus subspicatus	72 hours
Toluene	LC50 5.4 mg/l	Pink Salmon	96 hours
	EC50 3.78 mg/l	Water Flea	48 hours
	NOEC 10.0 mg/l	Green Algae	96 hours
Methyl Propyl Ketone	LC50 1190 mg/l	Fathead Minnow	96 hours
	N/Av	N/A	N/A
	N/Av	N/A	N/A
Manganese Compounds	N/A	N/A	N/A
	N/A	N/A	N/A
	N/A	N/A	N/A
Ethyl Benzene	LC50 4.2 mg/l	Rainbow trout	96 hours
	EC50 1.81 mg/l	Daphnia magna	48 hours
	EC50 3.6 mg/l	Green Algae	96 hours

# **SECTION 13. DISPOSAL CONSIDERATIONS**

Handling for Disposal: Handle in accordance with good industrial hygiene and safety practice.



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Methods of Disposal: Dispose in accordance with all applicable regulations.

# **SECTION 14. TRANSPORTATION INFORMATION**

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
	UN1263	Paint	3	II	Flammable
49CFR/DOT	May be shipped as Limited Quantity when transported in containers no larger than 5.0 liters; in packages not exceeding 30 kg gross mass.				
	UN1263	Paint	3	II	Flammable
IMDG  May be shipped as Limited Quantity when transported in containers no larger than 5.0 liters; in package not exceeding 30 kg gross mass.				Colliters; in packages	
	UN1263	Paint	3	II	Flammable
ICAO/IATA	Refer to the appropriate Packing Instruction, prior to shipping this material.				

# **SECTION 15 - REGULATORY INFORMATION**

## U.S. Federal Regulations

Ingredient	TSCA	DSL	CERCLA RQ
Acetone	Υ	Υ	5,000 lbs
Tertiary Butyl Acetate	Υ	.Y	n/a
Xylene	Υ	Υ	100 lbs
n-Butyl alcohol	Υ	Υ	5,000 lbs
Carbon Black	Υ	Υ	N/A
Toluene	Υ	Υ	1000 lbs
Methyl Propyl Ketone	Υ	Υ	N/A
Manganese Compound	Υ	Υ	N/A
Ethyl Benzene	Υ	Υ	1,000 lbs

# 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

Toluene	108-88-3	1-5%
Xylene	1330-20-7	1-5%
n-Butyl Alcohol	71-36-3	1-5%
Ethyl Benzene	100-41-4	1-5%

WHMIS

Class B2: Flammable liquid Class D2A: Very toxic material

**RIGHT TO KNOW** 

Ingredient CAS New Jersey Massachusetts Pennsylvania



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Acetone	67-64-1	Υ	Υ	Υ
Tertiary Butyl Acetate	540-88-5	Υ	Υ	Υ
Xylene	1330-20-7	Υ	Υ	Υ
n-Butyl Alcohol	71-36-3	Υ	Υ	Υ
Carbon Black	1333-86-4	n/a	n/a	n/a
Toluene	108-88-3	Υ	Υ	Υ
Methyl Propyl Ketone	107-87-9	Υ	Υ	Υ
Manganese Compounds	1344-43-0	n/a	n/a	n/a
Ethyl Benzene	100-41-4	Υ	Υ	Υ

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient Name CAS Number Prop 65

Toluene 108-88-3 Developmental Ethyl Benzene 100-41-4 Carcinogen

#### **SECTION 16. OTHER INFORMATION**

#### **NFPA**

Health hazard 2 Flammability 3 Reactivity 0

## 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



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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, CCInfoWeb 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.

## Prepared by

Dampney Company, Inc. 85 Paris Street Everett MA 02149 U.S.A

Telephone: (617) 389-2805

Please direct all inquiries to Dampney Company.



#### **DISCLAIMER**

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