

# Safety Data Sheet

Issue Date: 12-Mar-2015

Revision Date: 24-Oct-2019

Version 2

## 1. IDENTIFICATION

### Product identifier

**Product Name** Toon-Brite, Protective Clear-Coat, Quart, Gallons, Barrels

### Other means of identification

**SDS #** MLM-004

**Product Code** P100QT, P100QTC, P1000, P1000C, P1005, P1005C, P1055, P1055C, P1055OE

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

**Recommended Use** Protective coating.

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

M&L Marine, Inc.  
P.O. Box 301  
Hillview, KY 40129

### Emergency telephone number

**Company Phone Number** (502) 969-7098  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear low viscosity liquid

**Physical state** Liquid

**Odor** Strong solvent

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable liquids	Category 3

### Signal Word

**Danger**

### Hazard statements

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
May cause genetic defects  
May cause respiratory irritation  
May be fatal if swallowed and enters airways  
Flammable liquid and vapor

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing must not be allowed out of the workplace  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Keep cool  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation or rash occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

For additional component information, please see SECTION 15.

Chemical name	CAS No	Weight-%
Heavy Aromatic Naptha	64742-95-6	60-70
Methyl methacrylate	80-62-6	<30

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST AID MEASURES

### Description of first aid measures

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

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

<b>Symptoms</b>	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. May be fatal if swallowed and enters airways.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray (fog).

**Unsuitable Extinguishing Media** Do not use heavy water stream or water jet stream as this may spread the fire.

### Specific Hazards Arising from the Chemical

Flammable liquid and vapor. Vapor is heavier than air and may travel along floor or ground to ignition sources away from use area. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite/explode.

**Hazardous combustion products** Carbon oxides.

### Explosion Data

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Use personal protective equipment as required. Ventilate affected area.
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### Environmental precautions

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Soak up with inert absorbent material. Dispose of contents/container to an approved waste disposal plant.

**7. HANDLING AND STORAGE****Precautions for safe handling**

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Keep cool.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep locked up and out of reach of children. Do not store the product above 100°F/38°C.
<b>Incompatible Materials</b>	Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl methacrylate 80-62-6	STEL: 100 ppm TWA: 50 ppm	TWA: 100 ppm TWA: 410 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 410 mg/m <sup>3</sup>	IDLH: 1000 ppm TWA: 100 ppm TWA: 410 mg/m <sup>3</sup>

**Appropriate engineering controls**

<b>Engineering Controls</b>	Apply technical measures to comply with the occupational exposure limits.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Use impervious gloves. Suitable protective clothing.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Strong solvent
<b>Appearance</b>	Clear low viscosity liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point / freezing point	Not determined	
Boiling point / boiling range	154-160 °C / 310-320 °F	
Flash point	37.8 °C / 100.2 °F	Tag Closed Cup
Evaporation Rate	Slower	
Flammability (Solid, Gas)	Liquid- not Applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	6.5%	
Lower flammability or explosive limits	1.0%	
Vapor Pressure	3.0 mm	
Vapor Density	Heavier than air	
Relative Density	0.92	
Water Solubility	negligible	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
 <u>Other information</u>		
VOC Content	5.32 lb/gal	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Elevated temperatures.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact**      Causes serious eye irritation.

**Skin Contact**      Causes skin irritation. May be harmful in contact with skin.

<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	May be fatal if swallowed and enters airways.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Heavy Aromatic Naptha 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
Methyl methacrylate 80-62-6	= 7872 mg/kg ( Rat ) 8420 - 10000 mg/kg ( Rat )	5000 - 7500 mg/kg ( Rabbit ) > 5 g/kg ( Rabbit )	= 7093 ppm ( Rat ) 4 h
Bis(1,2,2,6,6-pentamethyl-4- piperidinyl)sebacate 41556-26-7	= 2615 mg/kg ( Rat )	-	-

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** May cause genetic defects.

**Carcinogenicity** Group 3 IARC components are "not classifiable as human carcinogens".

Chemical name	ACGIH	IARC	NTP	OSHA
Methyl methacrylate 80-62-6		Group 3		

**STOT - single exposure** May cause respiratory irritation.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

<b>Oral LD50</b>	10,991.00 mg/kg
<b>Dermal LD50</b>	2,463.00 mg/kg
<b>ATEmix (inhalation-vapor)</b>	3,755.00 mg/L

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Heavy Aromatic Naptha 64742-95-6		9.22: 96 h Oncorhynchus mykiss mg/L LC50	6.14: 48 h Daphnia magna mg/L EC50
Methyl methacrylate 80-62-6	170: 96 h Pseudokirchneriella subcapitata mg/L EC50	170 - 206: 96 h Lepomis macrochirus mg/L LC50 flow- through 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 326.4 - 426.9: 96 h Poecilia reticulata mg/L LC50 static 243 - 275: 96 h Pimephales promelas mg/L LC50 flow-through 79: 96 h Oncorhynchus mykiss mg/L LC50 static 153.9 - 341.8: 96 h Lepomis	69: 48 h Daphnia magna mg/L EC50

		macrochirus mg/L LC50 static 125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static	
Bis(1,2,2,6,6-pentamethyl-4-piperidiny)sebacate 41556-26-7		0.97: 96 h Lepomis macrochirus mg/L LC50 static	20: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

Chemical name	Partition coefficient
Methyl methacrylate 80-62-6	0.7

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**US EPA Waste Number**

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl methacrylate 80-62-6	U162	Included in waste stream: F039		U162

**California Hazardous Waste Status**

Chemical name	California Hazardous Waste Status
Methyl methacrylate 80-62-6	Toxic Ignitable

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

**DOT**

Not regulated (If shipped in NON BULK packaging by ground transport)

**IATA**

**UN number** UN1993  
**Proper Shipping Name** Flammable liquid, n.o.s. (Methyl methacrylate, Heavy aromatic naphtha)  
**Transport hazard class(es)** 3  
**Packing Group** III

**IMDG**

<b>UN number</b>	UN1993
<b>Proper Shipping Name</b>	Flammable liquid, n.o.s. (Methyl methacrylate, Heavy aromatic naphtha)
<b>Transport hazard class(es)</b>	3
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	This material may meet the definition of a marine pollutant

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Heavy Aromatic Naptha	X	ACTIVE	X	X		X	X	X	X
Methyl methacrylate	X	ACTIVE	X	X	X	X	X	X	X
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl)sebacate	X	ACTIVE	X	X	X	X	X	X	X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Methyl methacrylate 80-62-6	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Methyl methacrylate - 80-62-6	80-62-6	<30	1.0

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Methyl methacrylate	1000 lb			X

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Methyl methacrylate 80-62-6	X	X	X



**Household Cleansing Product Information Disclosure Program and SB 258**

This product contains the following components:

Chemical name	Cas No.
Heavy Aromatic Naptha	64742-95-6
Methyl methacrylate	80-62-6
Bis(1,2,2,6,6-pentamethyl-4-piperidiny)sebacate	41556-56-7

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards**

Not determined

Not determined

Not determined

Not determined

**HMIS****Health Hazards****Flammability****Physical hazards****Personal Protection**

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**Issue Date:**

12-Mar-2015

**Revision Date:**

24-Oct-2019

**Revision Note:**

Regulatory update

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**