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***** Section 1 - Product and Company Identification *****

Manufacturer/Importer Information

Therma-Tru Corporation
601 RE Jones Road
Butler IN, 46721

Emergency Phone: CHEMTREC, U.S.: (800) 424-9300
International: (336) 841-5111

Product Identifier

670-134

Recommended Use

No recommended use available.

Restrictions on Use

No restrictions available.

***** Section 2 – Hazards Identification *****

GHS Classification

Not classified.

GHS Label Elements

Symbol(s) – No symbol

Signal Word – No signal word

Hazard Statements

No significant effects or critical hazards

Precautionary Statements

Prevention

Not applicable

Response

Not applicable

Storage

Not applicable

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***** Section 3 – Composition / Information on Ingredients *****

CAS #	Component	Percent
34590-94-8	Methoxy propoxy propanol	≤5
104810-48-2	Mod hydroxyphenylbenzotriazole	≤0.3
104810-47-1	Mod hydroxyphenylbenzotriazole	≤0.3

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

***** Section 4 – First Aid Measures *****

First Aid: Eyes

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

First Aid: Skin

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

First Aid: Ingestion

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

First Aid: Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

***** Section 5 – Fire Fighting Measures *****

General Fire Hazards


See Section 9 for Flammability Properties.
In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous Combustion Products

Carbon dioxide and carbon monoxide

Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

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Unsuitable Extinguishing Media

None known

Fire Fighting Equipment/Instructions

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

***** Section 6 – Accidental Release Measures *****

Recovery and Neutralization

Stop the source of the release, if safe to do so.

Materials and Methods for Clean-Up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Emergency Measures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Personal Precautions and Protective Equipment

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel."

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Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Prevention of Secondary Hazards

None

***** Section 7 – Handling and Storage *****

Handling Procedures

Put on appropriate personal protective equipment (see Section 8).

Storage Procedures

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10), food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.


Incompatibilities

No specific data.

***** Section 8 – Exposure Controls / Personal Protection *****

Component Exposure Limits

Name (CAS #)	OSHA - PEL	ACGIH - TLV
Methoxy propoxy propanol (34590-94-8)	OSHA PEL (United States). Absorbed through skin. TWA: 100 ppm 8 hours.	ACGIH TLV (United States). Absorbed through skin. TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes.
Mod hydroxyphenylbenzotriazole (104810-48-2)	None	None
Mod hydroxyphenylbenzotriazole (104810-47-1)	None	None

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Engineering Measures

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal Protective Equipment: Hygiene

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment: Respiratory

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Personal Protective Equipment: Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Personal Protective Equipment: Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Personal Protective Equipment: Skin and Body

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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***** Section 9 – Physical & Chemical Properties *****

Appearance:	NA	Odor:	NA
Physical State:	Liquid	pH:	NA
Vapor Pressure:	17.5 mm Hg (2.3275 kPa)	Vapor Density:	<1 (Air=1) (calculation method)
Boiling Point:	100-195°C (212-383°F)	Melting Point:	NA
Solubility (H2O):	NA	Specific Gravity:	NA
Evaporation Rate:	Less than 1 (methoxy propoxy propanol) compared with butyl acetate	VOC:	NA
Octanol/H2O Coeff.:	NA	Flash Point:	94°C (201.2°F) (Product does not sustain combustion)
Flash Point Method:	Closed cup	Upper Flammability Limit (UFL):	10.4%
Lower Flammability Limit (LFL):	1.4%	Burning Rate:	NA
Auto Ignition Temperature	NA		

***** Section 10 – Chemical Stability & Reactivity Information *****

Chemical Stability

The product is stable.

Hazardous Reaction Potential

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

No specific data.

Incompatible Products

No specific data.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

***** Section 11 – Toxicological Information *****

Acute Toxicity

A: General Product Information

Not available.

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B: Component Analysis - LD50/LC50

Name (CAS#)	Results	Species	Dose	Exposure
Methoxy propoxy propanol (34590-94-8)	LD50 Dermal LD50 Oral	Rabbit Rat	9500 mg/kg 5130 mg/kg	

Potential Health Effects: Skin Corrosion Property

No known significant effects or critical hazards.

Potential Health Effects: Eye Critical Damage

No known significant effects or critical hazards.

Potential Health Effects: Ingestion

No known significant effects or critical hazards.

Potential Health Effects: Inhalation

No known significant effects or critical hazards.

Respiratory Organs Sensitization/Skin Sensitization

No known significant effects or critical hazards.

Generative Cell Mutagenicity

No known significant effects or critical hazards.

Carcinogenicity

A: General Product Information

No known significant effects or critical hazards.

B: Component Carcinogenicity

No known significant effects or critical hazards.

Reproductive Toxicity

No known significant effects or critical hazards.

Specified Target Organ General Toxicity: Single Exposure

Not available.

Specified Target Organ General Toxicity: Repeated Exposure

Not available.

Aspiration Respiratory Organs Hazard

Not available.

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***** Section 12 – Ecological Information *****

Ecotoxicity

A: General Product Information

No information available.

B: Component Analysis - Ecotoxicity – Aquatic and Terrestrial Toxicity

No information available.

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Soil

No information available.

***** Section 13 – Disposal Considerations *****

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

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

***** Section 14 – Transportation Information *****

DOT Information: Not regulated as a DOT hazardous material.

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***** Section 15 – Regulatory Information *****

Regulatory Information

Component Analysis

This material contains one of the following chemicals required to be identified under the Clean Air Act (CAA) 112, regulated toxic substances: 2-(2-butoxyethoxy)ethanol.

SARA Section 311/312 – Hazard Classes

Not applicable.

Composition/Information on Ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Methoxy propoxy propanol Mod	≤5	Yes	No	No	Yes	No
hydroxyphenylbenzotriazole Mod	≤0.3	No	No	No	Yes	No
hydroxyphenylbenzotriazole	≤0.3	No	No	No	Yes	No

***** Section 16 – Other Information *****

Disclaimers

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Language for consideration:

Information presented in this Safety Data Sheet for the product(s) described in Section 1 (“Product”) has been compiled from sources considered to be dependable, accurate, and reliable, but manufacturer/importer does not guarantee the accuracy of any information presented. Except as expressly provided otherwise in a written contract executed by manufacturer/importer, to the fullest extent permitted by applicable law, manufacturer/importer disclaims, and the recipient or user of this safety data sheet (“recipient”) hereby expressly waives, any and all warranties, whether express, implied or statutory, with respect to the product or this safety data sheet, and any results or effect obtained from their use by recipient and/or other users, including, without limitation, any statutory or implied warranties of merchantability or

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