

Material Safety Data Sheet

Therma-Tru Finishing Kit Stain (Cedar, Cherry, Lt Oak, Mahogany)

THERMA-TRU
DOORS

The Most Preferred Brand in the Business™

1. Product and company identification

Common name	: Therma-Tru Finishing Kit Stain (Cedar, Cherry, Light Oak, Mahogany)
Trade name	: Cedar Stain, Cherry Stain, Light Oak Stain
Code	: MATT12LO, MATT12CD, MATT12CH, MATTMH MATT8LO, MATT8CD, MATT8CH, MATT8MH MATTQLO, MATTQCD, MATTQCH, MATTQMH MATTGLO, MATTGCD, MATTGCH, MATTGMH MAFSPAK
Material uses	: Stain coating for fiberglass doors.
Supplier/Manufacturer	: Therma-Tru Corporation 108 Mutzfeld Road Butler, IN, 46721
In case of emergency	: CHEMTREC, U.S. : (800) 424-9300 International: (703) 527-3887

2. Hazards identification

Physical state	: Liquid.
Odor	: Hydrocarbon. [Slight]
Color	: Various
Hazard status	: This material is classified hazardous under OSHA regulations in the United States and the WHMIS Controlled Product Regulation in Canada.
Emergency overview	: WARNING ! COMBUSTIBLE LIQUID AND VAPOR. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER. Keep away from heat, sparks and flame. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not get on skin or clothing. Avoid contact with eyes. Contains material that can cause target organ damage. Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Potential acute health effects	
Eyes	: Irritating to eyes.
Skin	: Irritating to skin. May cause sensitization by skin contact.
Inhalation	: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	: No known significant effects or critical hazards.
Potential chronic health effects	: CARCINOGENIC EFFECTS: Classified A3 (Proven for animals.) by ACGIH [Distillates (Petroleum), Hydrotreated Light]. Classified None. by NIOSH [Barium sulfate]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Barium sulfate]. Classified 1 (Known to be human carcinogens.) by NTP, + (Proven.) by NIOSH [Silica crystalline, quartz]. Classified A2 (Suspected for humans.) by ACGIH, 2A (Probable for human.) by IARC [Silica crystalline, quartz]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Aluminum Oxide]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [iron(iii)oxide]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Kaolin]. Classified A4 (Not classifiable for

humans or animals.) by ACGIH [Hexanoic acid, 2-ethyl-, zirconium salt]. Classified 3 (Possible for humans.) by European Union [2-Butanone oxime].

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by over-exposure

: Pre-existing skin disorders and disorders involving any other target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

Name	CAS number	%
Distillates (Petroleum), Hydrotreated Light	64742-47-8	10 - 30
Silica crystalline, quartz	14808-60-7	1 - 5
Iron (III) oxide	1309-37-1	1 - 5
Aluminum Oxide	1344-28-1	1 - 5
Barium sulfate	7727-43-7	1 - 5
Phenol, 2-(2H-Benzotriazol-2-YL)-4,6-Bis(1,1-Dimethylpropyl)-	25973-55-1	1 - 5
Manganese dioxide	1313-13-9	1 - 5
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	1 - 5

Canada

Name	CAS number	%
Distillates (Petroleum), Hydrotreated Light	64742-47-8	10 - 30
Silica crystalline, quartz	14808-60-7	1 - 5
Iron (III) oxide	1309-37-1	1 - 5
Aluminum Oxide	1344-28-1	1 - 5
Barium sulfate	7727-43-7	1 - 5
Phenol, 2-(2H-Benzotriazol-2-YL)-4,6-Bis(1,1-Dimethylpropyl)-	25973-55-1	1 - 5
Manganese dioxide	1313-13-9	1 - 5
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	1 - 5
Kaolin	1332-58-7	0.1 - 1
2-(2-methoxyethoxy)ethanol	111-77-3	0.1 - 1

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : Combustible
- Products of combustion** : Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
sulfur oxides
metal oxide/oxides
- Extinguishing media**
- Suitable** : Use dry chemical, CO₂, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Combustible liquid In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : 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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- 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).
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. 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). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in

use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. 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.

8 . Exposure controls/personal protection

United States

Product name

Distillates (Petroleum), Hydrotreated Light

Exposure limits

ACGIH TLV (United States, 1/2006). Skin

TWA: 200 mg/m³ 8 hour(s).

NIOSH REL (United States).

TWA: 350 ppm

STEL: 1800 mg/m³

Silica crystalline, quartz

ACGIH TLV (United States, 1/2006).

TWA: 0.025 mg/m³ 8 hour(s). Form: Respirable fraction

OSHA PEL Z3 (United States, 9/2005).

TWA: 10 mg/m³ 8 hour(s). Form: Respirable

TWA: 30 mg/m³ 8 hour(s). Form: Total dust.

TWA: 250 MPPCF 8 hour(s). Form: Respirable

Iron (III) oxide

OSHA PEL (United States, 11/2006).

TWA: 10 mg/m³ 8 hour(s).

ACGIH TLV (United States, 1/2006).

TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction

OSHA PEL 1989 (United States, 3/1989).

STEL: 10 ppm, (as Fe) 15 minute(s). Form: Total particulates

TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction

TWA: 10 mg/m³ 8 hour(s). Form: Total dust

Aluminum Oxide

ACGIH TLV (United States, 1/2006).

TWA: 10 mg/m³ 8 hour(s).

OSHA PEL 1989 (United States, 3/1989).

TWA: 10 mg/m³ 8 hour(s). Form: Dust

TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction

Barium sulfate

ACGIH TLV (United States, 1/2006).

TWA: 10 mg/m³ 8 hour(s).

NIOSH REL (United States, 12/2001).

TWA: 5 mg/m³ 10 hour(s). Form: Respirable fraction

TWA: 10 mg/m³ 10 hour(s). Form: Total

OSHA PEL (United States, 11/2006).

TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction

TWA: 15 mg/m³ 8 hour(s). Form: Total dust

Manganese dioxide

ACGIH TLV (United States, 1/2006).

TWA: 0.2 mg/m³, (as Mn) 8 hour(s).

NIOSH REL (United States, 12/2001).

STEL: 3 mg/m³, (as Mn) 15 minute(s).

Solvent naphtha (petroleum), medium aliphatic	<p>TWA: 1 mg/m³, (as Mn) 10 hour(s). OSHA PEL (United States, 11/2006). CEIL: 5 mg/m³, (as Mn) Manufacturer (United States). TWA: 100 ppm 8 hour(s). Form: All forms.</p>
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Canada	
Product name	Exposure limits
Distillates (Petroleum), Hydrotreated Light	ACGIH TLV (United States, 1/2006). Skin TWA: 200 mg/m ³ 8 hour(s).
Silica crystalline, quartz	ACGIH TLV (United States, 1/2006). TWA: 0.025 mg/m ³ 8 hour(s). Form: Respirable fraction
Iron (III) oxide	ACGIH TLV (United States, 1/2006). TWA: 5 mg/m ³ 8 hour(s). Form: Respirable fraction
Aluminum Oxide	ACGIH TLV (United States, 1/2006). TWA: 10 mg/m ³ 8 hour(s).
Barium sulfate	ACGIH TLV (United States, 1/2006). TWA: 10 mg/m ³ 8 hour(s).
Manganese dioxide	ACGIH TLV (United States, 1/2006). TWA: 0.2 mg/m ³ , (as Mn) 8 hour(s).
Kaolin	ACGIH TLV (United States, 1/2006). TWA: 2 mg/m ³ 8 hour(s). Form: Respirable fraction

- Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Eyes** : Safety glasses.
- Skin** : Lab coat.
- Respiratory** : A respirator is not needed under normal and intended conditions of use.
- Hands** : Natural rubber (latex).



- HMIS Code/Personal protective equipment** : B
- Personal protection in case of a large spill** : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

Physical state	: Liquid.
Flash point	: Closed cup: 49°C (120.2°F) [Pensky-Martens.]
Auto-ignition temperature	: 540°C (1004°F)
Color	: Various
Odor	: Hydrocarbon. [Slight]
Relative density	: 0.99
Vapor pressure	: 0.27 kPa (2 mm Hg)
Vapor density	: 4.8 [Air = 1]
Evaporation rate	: 0.92 (Butyl acetate. = 1)
VOC	: 395.44 (g/l).
Viscosity	: Dynamic: 20 to 100 mPa·s (20 to 100 cP)
Solubility	: Insoluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Stability and reactivity	: The product is stable.
Incompatibility with various substances	: Reactive or incompatible with the following materials: oxidizing materials, reducing materials, combustible materials and acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Will not occur.
Conditions of reactivity	: Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Slightly flammable in the presence of the following materials or conditions: heat.

11 . Toxicological information

Toxicity data

Product/ingredient name	Test / Route	Species	Result
Manganese dioxide	LD50 Oral	Rat	3478 mg/kg

Acute Effects

Eyes	: Irritating to eyes.
Skin	: Irritating to skin. May cause sensitization by skin contact.
Inhalation	: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	: No known significant effects or critical hazards.
Potential chronic health effects	: CARCINOGENIC EFFECTS: Classified A3 (Proven for animals.) by ACGIH [Distillates (Petroleum), Hydrotreated Light]. Classified None. by NIOSH [Barium sulfate]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Barium sulfate]. Classified 1 (Known to be human carcinogens.) by NTP, + (Proven.) by NIOSH [Silica crystalline, quartz]. Classified A2 (Suspected for humans.) by ACGIH, 2A (Probable for human.) by IARC [Silica crystalline, quartz]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Aluminum Oxide]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [iron(iii)oxide]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Kaolin]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Hexanoic acid, 2-ethyl-, zirconium salt]. Classified 3 (Possible for humans.) by European Union [2-Butanone oxime].

MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Target organs : Contains material which causes damage to the following organs: blood, kidneys, lungs, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Test	Exposure	Result
Distillates (Petroleum), Hydrotreated Light	Fish	Mortality	96 hours	Acute LC50 2.9 mg/L
Barium sulfate	Daphnia	Intoxication	48 hours	Acute EC50 32 mg/L

Environmental precautions : No known significant effects or critical hazards.




Products of degradation : Products of degradation: carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂ etc.), sulfur oxides (SO₂, SO₃ etc.). Some metallic oxides.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14 . Transport information

AERG : 128

Regulatory information	Proper shipping name	Class	UN number	PG	Label
UN / IMDG / IATA Classification	PAINT RELATED MATERIAL	3	UN1263	III	
DOT Classification	PAINT RELATED MATERIAL	3	UN1263	III	
TDG Classification	PAINT RELATED MATERIAL	3	UN1263	III	

15 . Regulatory information

United States

HCS Classification : Combustible liquid
Irritating material
Sensitizing material
Carcinogen
Target organ effects

U.S. Federal regulations : **United States inventory (TSCA 8b)**: All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Distillates (Petroleum), Hydrotreated Light; Silica crystalline, quartz; Iron (III) oxide; Barium sulfate; Aluminum Oxide; Manganese dioxide

SARA 311/312 MSDS distribution - chemical inventory - hazard identification:

Distillates (Petroleum), Hydrotreated Light: Delayed (chronic) health hazard; Silica crystalline, quartz: Immediate (acute) health hazard, Delayed (chronic) health hazard; Iron (III) oxide: Delayed (chronic) health hazard; Barium sulfate: Immediate (acute) health hazard; Aluminum Oxide: Immediate (acute) health hazard; Manganese dioxide: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

SARA 313

	Product name	CAS number	Concentration
Form R - Reporting requirements	: Aluminum Oxide	1344-28-1	1 - 5
	Manganese dioxide	1313-13-9	1 - 5
Supplier notification	: Aluminum Oxide	1344-28-1	1 - 5
	Manganese dioxide	1313-13-9	1 - 5

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

- State regulations** :
- Connecticut Carcinogen Reporting:** None of the components are listed.
 - Connecticut Hazardous Material Survey:** None of the components are listed.
 - Florida substances:** None of the components are listed.
 - Illinois Chemical Safety Act:** None of the components are listed.
 - Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.
 - Louisiana Reporting:** None of the components are listed.
 - Louisiana Spill:** None of the components are listed.
 - Massachusetts Spill:** None of the components are listed.
 - Massachusetts Substances:** The following components are listed: Silica crystalline, quartz; Iron (III) oxide; Aluminum Oxide; Barium sulfate
 - Michigan Critical Material:** None of the components are listed.
 - Minnesota Hazardous Substances:** None of the components are listed.
 - New Jersey Hazardous Substances:** The following components are listed: Silica crystalline, quartz; Iron (III) oxide; Aluminum Oxide; Manganese dioxide
 - New Jersey Spill:** None of the components are listed.
 - New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.
 - New York Acutely Hazardous Substances:** None of the components are listed.
 - New York Toxic Chemical Release Reporting:** None of the components are listed.
 - Pennsylvania RTK Hazardous Substances:** The following components are listed: Silica crystalline, quartz; Iron (III) oxide; Aluminum Oxide; Barium sulfate; Kaolin; 2-(2-Methoxyethoxy)ethanol
 - Rhode Island Hazardous Substances:** None of the components are listed.

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

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Silica crystalline, quartz 2-(2-Methoxyethoxy)ethanol	Yes. No.	No. Yes.	No. No.	No. No.

Canada

WHMIS (Canada) : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).



Canada inventory : **Canada inventory:** All components are listed or exempted.
CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: The following components are listed:
Aluminum Oxide
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR and the United States OSHA. This MSDS contains all the information required by the CPR and OSHA, the American National Standard Institute (ANSI) Z400.1.

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Label requirements (U.S.A) : COMBUSTIBLE LIQUID AND VAPOR. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. CANCER HAZARD - CONTAINS MATERIAL WHICH CAN CAUSE CANCER.

Hazardous Material Information System (U.S.A) :

HMIS RATING	
Health	* 2
Fire hazard	2
Physical Hazard	0
Personal protection	B

HAZARD RATINGS

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A) :



References

: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

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: 2

Notice to reader

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