THERMA-TRU DOORS	Safety Data Sheet	SDS No. 630-283
		Issue Date: 6-30-2015
	Product Name: PF-1G-BC2	Revision Date: 8-26-2015

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

Manufacturer/Importer Information

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

Emergency Phone: CHEMTREC,U.S.:(800) 424-930
International: (703) 527-3887 (703) 527-3887

Product Identifier
630-283
Recommended Use

Restrictions on Use

* * * Section 2 – Hazards Identification * * *

GHS Classification

CARCINOGENICITY - Category 2
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS Label Elements

Symbol(s)

Signal Word - Danger

Hazard Statements

Suspected of causing cancer.
Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapor. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling.

Response

Get medical attention if exposed, concerned, or you feel unwell.

Storage

Store locked up.

Disposal

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

None known

NOTICE: Reports have associated repeated and prolonged OVEREXPOSURE to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents of this package may be harmful or fatal.

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

Substance/mixture

Mixture

Other means of identification

Not Available

CAS #	Component	Percent
13463-67-7	Titanium dioxide	<96.28%
67-56-1	Methanol	2.33%
111-76-2	2-butoxyethanol	1.39%
112-34-5	2-(2-butoxyethoxy)ethanol	<96.28%
1897-45-6	Tetrachloroisophthalonitrile	<96.28%
1333-86-4	Carbon black	<96.28%
7664-41-7	Ammonia	<96.28%

124-68-5	2-amino-2-methylpropanol	<96.28%
7631-86-9	Synthetic amorphous silica	<96.28%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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 reportingin this section. Occupational exposure limits, if available, are listed in Section 8.

* * * 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. Continue to rinse for at least 10 minutes. Get medical attention.

First Aid: Skin

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

First Aid: Ingestion

Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

First Aid: Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

No known significant effects or critical hazards.

Inhalation

No known significant effects or critical hazards.

Skin contact

No known significant effects or critical hazards.

Ingestion

No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact

No specific data

Inhalation

No specific data

Skin contact

No specific data

Ingestion

No specific data

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

No specific treatment.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

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

Extinguishing Media

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous Thermal Decombustion Products

Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters

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.

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.

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

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

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. Avoid breathing vapor or

mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

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".

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 and materials for containment and cleaning 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. 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). 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.

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

Protective measures

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the

material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

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. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

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) and food and drink. Store locked up. 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.

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

Control Parameters
Component Exposure Limits

Name (CAS #)	OSHA - PEL	ACGIH - TLV
Methanol	TWA: 20 ppm 8 hours	*Absorbed through skin.* TWA: 200 ppm 8 hours. STEL: 250 ppm 15 mins
2-butoxyethanol	*Absorbed through skin.* TWA: 50 ppm 8 hours.	TWA: 20 ppm 8 hours.
Carbon black	TWA: 3.5 mg/m^3 8 hours	TWA: 3 mg/m^3 8 hours.
ammonia	TWA: 50 ppm 8 hours	TWA: 25 ppm 8 hours. STEL: 35 ppm 15 mins
Synthetic amorphous silica	TWA: 80 mg/m^3 8 hours	TWA: 10 mg/m^3 8 hours.

Engineering Measures

If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

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.

Individual protection measures

Hygiene measures

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.

Selection of personal protective equipment (PPE) is to be established by the employer performing a PPE hazard assessment. In the U.S.A, OSHA requires completion of a documented PPE hazard assessment as described in 29 CFR 1910.132.

Eye/face Protection

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-sheilds.

Hand protection

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

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.

Other skin protection

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.

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

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

Appearance:	Not Available	**Odor:**	Not Available
Physical State:	Liquid	**pH:**	9 – 9.5
Boiling Point:	65 - 172 °C (149 – 341.6 °F)	**Melting Point:**	Not Available
Solubility (H2O):	Not Available.	**Specific Gravity:**	Not Available
Evaporation Rate:	Highest known value: Greater than 1. (methanol) compared with butyl acetate	**Density:**	1.321 g/cm³
Vapor Pressure:	17.5 mmHg (2.3275 kPa) (HKV: water)	**Flash Point:**	Closed cup: >93.34°C (>199.9°F) [Product does not sustain combustion]
Vapor Density:	< 1	**Upper**	Not available

		Flammability Limit (UFL):	
Lower Flammability Limit (LFL):	Not available	**Volatility:**	48.23% (w/w)

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

Reactivity

No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability

This is a stable material.

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

Product/Ingredient Name	Result	Species	Dose	Exposure

Methanol	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	64000 ppm 12800 mg/kg 5600 mg/kg	4 hours - -
2-butoxyethanol	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	450 ppm 220 mg/kg 250 mg/kg	4 hours - -
2-(2-butoxy)ethanol	LD50 Dermal LD50 Oral	Rabbit Rat	2700 mg/kg 4500 mg/kg	- -
Tetrachloroisophthalonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	220 mg/kg 10000 mg/kg	4 hours -
Ammonia	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rat Rat	2000 ppm 4810 mg/kg 350 mg/kg	4 hours - -
2-amino-2-methylpropanol	LD50 Oral	Rat	2900 mg/kg	-
synthetic amorphous silica	LD50 Dermal LD Oral	Rabbit Rat	7500 mg/kg 31600 mg/kg	- -

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Product/Ingredient	Test	Experiment	Result
tetrachloroisophthalonitrile	-	Subject: Mammalian-Animal	Positive

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium dioxide	-	2B	-
Carbon black	-	2B	-
tetrachloroisophthalonitrile	-	2B	-

IARC has issued a notice that they will publish a monograph that lists titanium dioxide (TiO2) as possibly carcinogenic to humans (Group 2B) by inhalation (based solely on

animal data). Human epidemiology studies do not suggest an increased risk of cancer in humans for occupational exposure to titanium dioxide. According to the IARC summary on titanium dioxide, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint.".

Reproductive toxicity
Not available.

Teratogenicity

Product/Ingredient	Result	Species	Dose	Exposure
methanol	Positive Unreported	Mammal –species unspecified	-	-

Specific target organ toxicity (single exposure)

Product/Ingredient	Category	Route of exposure	Target organs
methanol	Category 3	NA	Respiratory tract (irritation)
tetrachloroisophthalonitrile	Category 3	NA	Respiratory tract (irritation)
Synthetic amorphous silica	Category 3	NA	Respiratory tract (irritation)

Specific target organ toxicity (repeated exposure)

Product/Ingredient	Category	Route of exposure	Target organs
methanol	Category 1	Not determined	CNS; optic nerve

Aspiration hazard
Not available.

Information on the likely routes of exposure
Not available.

Potential Acute Health Effects

Eye contact :

No known significant effects or critical hazards.

Inhalation :

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact :

No known significant effects or critical hazards.

Ingestion :

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

No specific data.

Inhalation

No specific data.

Skin contact

No specific data.

Ingestion

No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects

Not available

Potential delayed effects

Not available

Long term exposure

Potential immediate effects

Not available

Potential delayed effects
Not available

Potential chronic health effects
Not available

General Causes damage to organs through prolonged or repeated exposure.
Carcinogenicity Suspected of causing cancer. Risk of cancer depends on duration and level of exposure
Mutagenicity No known significant effects or critical hazards
Teratogenicity No known significant effects or critical hazards
Developmental effects No known significant effects or critical hazards.
Fertility effects No known significant effects or critical hazards

* * * Section 12 – Ecological Information * * *

Data available upon request

* * * Section 13 – Disposal Considerations * * *

Waste Disposal Methods

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 of 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

* * * Section 14 – Transportation Information * * *

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-

Special precautions for user
Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not available

* * * Section 15 – Regulatory Information * * *

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

Clean Air Act (CAA) 112 regulated toxic substances: 2-(2-butoxyethoxy)ethanol; Methanol

SARA 313

	Product name	CAS number	%
Form R-Reporting requirements	2-butoxyethoxyethanol Methanol	67-56-1 111-76-2	2.31 1.38

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

State Regulations

Massachusetts: None of the components are listed

New Jersey: None of the components are listed

New York: None of the components are listed

Pennsylvania: None of the components are listed

California Prop 65: **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
Titanium dioxide	Yes.	No	No	No
methanol	No	Yes	No	No
carbon black	Yes	No	No	No
tetrachloroisophthalonitrile	Yes	No	No	No

Canada Inventory: All components are listed or exempted.

International Regulations

Australia inventory (AICS): Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule Chemicals:
Not listed

Chemical Weapons Convention List ScheduleII Chemicals:
Not listed

Chemical Weapons Convention List Schedule III Chemicals:
Not listed

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

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

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.
1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials
may be purchased exclusively from J. J. Keller (800) 327-6868.
The customer is responsible for determining the PPE code for this material

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

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.
Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

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 fitness for a particular purpose. Manufacturer/importer specifically, but not by way of limitation, disclaims any and all liability for the use or performance of the product or safety data sheet by recipient, recipient's customers and/or other users.