

1. Product and Company Identification

Material name Dent Filler Kit
Version # 00
Revision date 03-19-2009
Product use Polyester Putty
Manufacturer information Therma-Tru Corporation
 108 RE Jones Road
 Butler IN, 46721
 Emergency telephone: CHEMTREC, U.S. : (800) 424-930
 International: (703) 527-3887 (703) 527-3887

2. Hazards Identification

Physical state Liquid.
Appearance Viscous paste.
Emergency overview WARNING
 Causes skin and eye irritation.
 FLAMMABLE LIQUID AND VAPOR.
 May form explosive peroxides if material becomes uninhibited. Will be easily ignited by heat, spark or flames.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects
Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Eyes Causes eye irritation. Exposed individuals may experience eye tearing, redness, and discomfort.
Skin Causes skin irritation. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Inhalation In high concentrations, vapors may be irritating to the respiratory system.
Ingestion May cause discomfort if swallowed.
Target organs Eyes. Respiratory system. Skin. Kidney. Liver.
Chronic effects Possible cancer hazard - contains styrene which may cause cancer based on animal data. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause damage to the liver and kidneys.
Signs and symptoms Irritation of nose and throat. Irritation of eyes and mucous membranes. Corneal damage. Conjunctivitis. Defatting of the skin. Skin irritation. Rash.
Potential environmental effects The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
TALC	14807-96-6	<60
Unsaturated Polyester Polymer	Proprietary	<29
Calcium Carbonate	1317-65-3	<15
Styrene	100-42-5	<15
Fumed Silica	112945-52-5	<10
Cobalt	Proprietary	<0.25

Composition comments The full text for all R-phrases is displayed in Section 16 of the MSDS. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact	Flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.
Skin contact	Remove contaminated clothes and rinse skin thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.
Inhalation	Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.
Ingestion	Rinse mouth thoroughly. Get medical attention.
Notes to physician	Symptoms may be delayed.
General advice	If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties	Containers may explode when heated. Runoff to sewer may cause fire or explosion hazard. Heat may cause the containers to explode.
Extinguishing media	
Suitable extinguishing media	Water. Foam. Dry powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters	
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Vapors may be ignited by a spark, a hot surface or an ember.
Protective equipment and precautions for firefighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In case of fire and/or explosion do not breathe fumes.
Special protective equipment for fire-fighters	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
Specific methods	In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.
Hazardous combustion products	Carbon oxides.

6. Accidental Release Measures

Personal precautions	Avoid inhalation of vapors and contact with skin and eyes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away. Ventilate closed spaces before entering them. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Should not be released into the environment. Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Never return spills in original containers for re-use. Following product recovery, flush area with water. Clean surface thoroughly to remove residual contamination.
Other information	Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Use only in well-ventilated areas. Local exhaust is recommended. Avoid inhalation of vapors and contact with skin and eyes. The product is flammable, and heating may generate vapors which may form explosive vapor/air mixtures. Do not smoke and do not spray near an open flame or other sources of ignition. Wash at the end of each work shift and before eating, smoking and using the toilet. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Observe good industrial hygiene practices.

Storage

Follow rules for flammable liquids. Keep away from sources of ignition - No smoking. Keep away from heat, sparks and open flame. Keep container tightly closed in a cool, well-ventilated place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components	Type	Value	Form
Styrene (100-42-5)	STEL	40 ppm	
	TWA	20 ppm	
TALC (14807-96-6)	TWA	2 mg/m3	Respirable fraction.

U.S. - OSHA

Components	Type	Value	Form
Calcium Carbonate (1317-65-3)	PEL	15 mg/m3	Total dust.
		5 mg/m3	Respirable fraction.
	TWA	15 mg/m3	Total dust.
Fumed Silica (112945-52-5)		5 mg/m3	Respirable fraction.
	TWA	0.8 mg/m3	
Styrene (100-42-5)		20 mppcf	
	Ceiling	200 ppm	
	STEL	100 ppm	
TALC (14807-96-6)		425 mg/m3	
	TWA	100 ppm	
		215 mg/m3	
		0.1 mg/m3	Respirable.
		0.3 mg/m3	Total dust.
		2.4 mppcf	Respirable.
	2 mg/m3	Respirable dust.	
		20 mppcf	

Canada - Alberta

Components	Type	Value	Form
Calcium Carbonate (1317-65-3)	TWA	10 mg/m3	
Styrene (100-42-5)	STEL	426 mg/m3	
		100 ppm	
	TWA	50 ppm	
TALC (14807-96-6)		213 mg/m3	
	TWA	2 mg/m3	Respirable particles.

Canada - British Columbia

Components	Type	Value	Form
Calcium Carbonate (1317-65-3)	STEL	20 mg/m3	Total dust.
		3 mg/m3	Respirable fraction.
	TWA	10 mg/m3	Total dust.
Styrene (100-42-5)	STEL	75 ppm	
	TWA	50 ppm	
TALC (14807-96-6)	TWA	2 mg/m3	Respirable.

Canada - Ontario

Components	Type	Value	Form
Calcium Carbonate (1317-65-3)	TWA	10 mg/m3	Total dust.

Components	Type	Value	Form
Styrene (100-42-5)	STEL	100 ppm	
	TWA	35 ppm	
TALC (14807-96-6)	TWA	2 mg/m3 2 fibers/ml	Respirable.

Canada - Quebec

Components	Type	Value	Form
Calcium Carbonate (1317-65-3)	TWA	10 mg/m3	Total dust.
Styrene (100-42-5)	STEL	426 mg/m3	
		100 ppm	
	TWA	50 ppm	
		213 mg/m3	
TALC (14807-96-6)	TWA	3 mg/m3	Respirable dust.

Engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Eye / face protection

Wear approved safety goggles.

Skin protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Viscous paste.
Color	Grey.
Odor	Styrene.
Odor threshold	Not available.
Physical state	Liquid.
Form	Viscous paste.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	> 293 °F (> 145 °C)
Flash point	86 °F (30 °C)
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.55 - 1.67

Relative density	Not available.
Solubility (water)	Negligible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Keep away from heat, sparks and open flame.
Incompatible materials	Strong acids. Strong oxidizing agents. Metals.
Hazardous decomposition products	Carbon monoxide. Carbon Dioxide.
Possibility of hazardous reactions	May occur.

11. Toxicological Information

Toxicological data

Components

Styrene (100-42-5)

Test Results

Acute Inhalation LC50 Rat: 24 mg/l 4 Hours

Acute Oral LD50 Mouse: 316 mg/kg

Acute Oral LD50 Rat: 1000 mg/kg

Acute Oral LD50 Mouse: > 15000 mg/kg

Acute Oral LD50 Rat: > 22500 mg/kg

Fumed Silica (112945-52-5)

Sensitization

Not available.

Acute effects

Irritating to eyes and skin.

Local effects

Components of the product may be absorbed into the body through the skin.

Chronic effects

Hazardous by OSHA criteria. Prolonged exposure may cause chronic effects. Prolonged inhalation may be harmful.

Carcinogenicity

Risk of cancer cannot be excluded with prolonged exposure. Possible cancer hazard - may cause cancer based on animal data.

Epidemiology

Not available.

Mutagenicity

Not available.

Neurological effects

Not available.

Reproductive effects

Not available.

Teratogenicity

Not available.

12. Ecological Information

Ecotoxicological data

Components

Styrene (100-42-5)

Test Results

EC50 Water flea (Daphnia magna): 3.3 - 7.4 mg/l 48 Hours

LC50 Fathead minnow (Pimephales promelas): 3.241 - 4.991 mg/l 96 Hours

Ecotoxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Environmental effects

Harmful to aquatic organisms.

Persistence and degradability

Not available.

Bioaccumulation

Not available.

Mobility

Not available.

13. Disposal Considerations

Waste codes

D001: Waste Flammable material with a flash point <140 F

Disposal instructions

Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

14. Transport Information

DOT

Basic shipping requirements:

UN number	UN1866
Proper shipping name	Resin solution
Hazard class	3
Packing group	III
Additional information:	
Special provisions	B1, B52, IB3, T2, TP1
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242
ERG number	127

IATA

Basic shipping requirements:

UN number	1866
Proper shipping name	Resin solution flammable
Hazard class	3
Packing group	III

IMDG

Basic shipping requirements:

UN number	1866
Proper shipping name	RESIN SOLUTION flammable
Hazard class	3
Packing group	III

TDG

Basic shipping requirements:

Proper shipping name	RESIN SOLUTION, flammable
Hazard class	3
UN number	UN1866
Packing group	III
Marine pollutant	Marine pollutant only when containing 10% or more substances identified as marine pollutants or severe marine pollutant when containing 1% or more substances identified as severe marine pollutants



DOT



IATA



IMDG



TDG

15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Styrene (CAS 100-42-5) 0.1 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Styrene (CAS 100-42-5) Listed.

CERCLA (Superfund) reportable quantity (lbs)

Styrene: 1000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Drug Enforcement Agency (DEA) Not controlled

WHMIS status Controlled

WHMIS classification B2 - Flammable/Combustible
 D2A - Other Toxic Effects-VERY TOXIC
 D2B - Other Toxic Effects-TOXIC

WHMIS labeling**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Styrene (CAS 100-42-5) 500 LBS

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Calcium Carbonate (CAS 1317-65-3) Listed.

Fumed Silica (CAS 112945-52-5) Listed.

Styrene (CAS 100-42-5) Listed.

TALC (CAS 14807-96-6) Listed.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 2*
 Flammability: 3
 Physical hazard: 1

NFPA ratings

Health: 2
Flammability: 3
Instability: 1

Disclaimer

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.

Issue date

03-19-2009