

GT Products, Inc.
SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME:	GT-2241T
OTHER MEANS OF IDENTIFICATION:	
RECOMMENDED USE OF PRODUCT:	Mold-making Rubber
SUPPLIER'S DETAILS:	GT Products, Inc. 501 Industrial Blvd. Grapevine, TX 76051 Telephone: (800) 221-0866 (817) 481-7113 Fax: (817) 421-1211
EMERGENCY CONTACT:	CHEMTREC (24 Hours):1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

<i>PHYSICAL HAZARDS</i>	Not Classified
<i>HEALTH HAZARDS</i>	Not Classified
<i>ENVIRONMENTAL HAZARDS</i>	Not Classified

GHS LABEL ELEMENTS

<i>PICTOGRAMS</i>	None
<i>SIGNAL WORDS</i>	None
<i>HAZARD STATEMENTS</i>	None
<i>PRECAUTIONARY STATEMENTS</i>	
<i>[PREVENTION]</i>	None
<i>[RESPONSE]</i>	None
<i>[STORAGE]</i>	None
<i>[DISPOSAL]</i>	None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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Substance or Mixture Mixture

<i>Hazardous Ingredients</i>	<i>CAS#</i>	<i>Percentage (%)</i>
None	N.A.	N.A.

4. FIRST AID MEASURES

<i>INGESTION:</i>	Seek medical attention; Do NOT induce vomiting.
<i>SKIN CONTACT:</i>	Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water.
<i>INHALATION:</i>	No first aid should be needed. Remove to fresh air.
<i>EYE CONTACT:</i>	Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists.
<i>PROTECTION FOR FIRST-AIDERS:</i>	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles

5. FIRE-FIGHTING MEASURES

<i>SUITABLE EXTINGUISHING MEDIA:</i>	Foam, carbon dioxide, dry chemical
<i>SPECIFIC FIRE HAZARDS:</i>	Fire will form hazardous combustion gases of carbon dioxide(CO ₂), carbon monoxide(CO), SiO ₂ , and oxides of nitrogen (NO _x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard
<i>FIREFIGHTER EQUIPMENT:</i>	Wear respirator and all protective coverings.

6. ACCIDENTAL RELEASE MEASURES

<i>PERSONAL PRECATIONS, PROTECTIVE EQUIPMENT AND EMERGENCY:</i>	Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation.
<i>ENVIRONMENTAL PRECAUTIONS:</i>	Prevent product from entering drains.
<i>CLEAN UP:</i>	Scrape up and disposed of in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

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HANDLING: Wear protective equipment; Avoid contact with skin and eyes.

STORAGE: Keep container tightly closed. Store in a cool, dry place. Keep away from oxidizing material.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

<i>Hazardous Ingredient</i>	<i>CAS#</i>	<i>Limit/Set by</i>
None		

ENGINEERING CONTROLS: None Available

PERSONAL PROTECTIVE EQUIPMENT:

<i>RESPIRATORY PROTECTION:</i>	Not required under normal use
<i>HAND PROTECTION</i>	Protective gloves
<i>EYE PROTECTION</i>	Wear safety glasses or goggles. Face shield if situation requires
<i>SKIN AND BODY PROTECTION</i>	Protective clothing if situation requires

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Paste
ODOR:	No Odor
ODOR THRESHOLD:	Not Available
pH:	Not Available
MELTING POINT:	Not Available
BOILING POINT RANGE:	Not Applicable, will decompose before it will boil
FLASH POINT:	>205°F (Setaflash)
EVAPORATION RATE:	Not Available
FLAMMABILITY(solid/gas):	Not Available
EXPLOSION LIMITS:	
<i>UPPER</i>	Not Available
<i>LOWER</i>	Not Available
VAPOR PRESSURE:	<0.1mbar @ 68°F
VAPOR DENSITY:	All vapors are denser than air
RELATIVE DENSITY:	1.3 g/mL
SOLUBILITY:	Not soluble in water
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not Available
AUTO-IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	>150°C
VISCOSITY:	70,000 cP

10. STABILITY AND REACTIVITY

REACTIVITY: Product is designed to react with a catalyst to initiate vulcanization.

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CHEMICAL STABILITY:	Stable in the absence of contamination
HAZARDOUS REACTIONS:	None
CONDITIONS TO AVOID:	Avoid contact with strong acids, alkalis, and oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Hazardous combustion gases of carbon dioxide(CO ₂), carbon monoxide(CO), SiO ₂ , and oxides of nitrogen (NO _x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard
INCOMPATIBILITY:	Acids, Alkalis, Oxidizing Agents

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Available
SKIN CORROSION/IRRITATION:	Not Available
EYE DAMAGE/IRRITATION:	Not Available
RESPIRATORY OR SKIN SENSITIZATION:	Not Available
GERM CELL MUTAGENICITY:	Not Available
CARCINOGENICITY:	Not Available
REPRODUCTIVE TOXICITY:	Not Available
STOST- SINGLE EXPOSURE:	Not Available
STOST- REPEATED EXPOSURE:	Not Available
ASPIRATION HAZARD:	Not Available

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Do not allow to enter soil, waterways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data is not available.
PERSISTENCE/DEGRADABILITY:	Not Available
BIOACCUMULATIVE POTENTIAL:	Not Available
MOBILITY IN SOIL:	Not Available

13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

UN/NA Number:	Not Regulated
DOT SHIPPING NAME:	Not Regulated
DOT HAZARD CLASS:	Not Regulated
IMDG – P.S.N.:	Not Regulated
IMDG – CLASS:	Not Regulated
IMDG – PACKING GROUP:	Not Regulated

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IMDG – Marine Pollutant:	Not Regulated
IATA - P.S.N.:	Not Regulated
IATA - CLASS:	Not Regulated
IATA – PACKING GROUP:	Not Regulated

This product and its ingredients are NOT considered dangerous goods according to the **UN Model Regulations, ADR, RID, and the ADN.**

15. REGULATORY INFORMATION

US REGULATIONS

US SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Section 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

<i>Hazardous Ingredient</i>	<i>SARA 302 (40 CFR 355, Appendix A)</i>	<i>SARA 304 (40 CFR Table 302.4)</i>	<i>SARA 313 (40 CFR 372.65)</i>
None	No	No	No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs(4,540 kg) therefore applies, per 40 CFR 370.20

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

SARA 311/312(40 CFR 370) HAZARDS: Acute: No, Chronic: No, Fire: No, Pressure: No

CALIFORNIA, (PROPOSITION 65): None

TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

CANADIAN DSL/NDSL INVENTORY: The components of this product are on the DSL or NDSL Inventories.

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES(AICS) STATUS: The components of this product are listed on the AICS

KOREAN INVENTORY: The components of this product are listed or exempted.

16. OTHER INFORMATION

HMIS Rating: Health-1, Fire-0, Reactive-0

This product contains crystalline silica which is hazardous if it is inhaled. However, in this product, the silica is wetted out with various polyorganosiloxanes to where it is no longer in powder form, meaning it is incapable of becoming airborne under normal use conditions. Because the product is a mixture, the majority of the data used was transferred from the safety data sheets of the product's hazardous ingredients, whose manufacturer identity we wish to remain anonymous for competitive reasons.

We believe the above information is correct as of the date of this MSDS. However, as this information and the conditions under which the product are used are beyond the control of GT PRODUCTS, INC., it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.

Date Created/Revised: 12/07/15

Made By: Daniel Shaw

GT Products, Inc.
SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME: CA-2241T
OTHER MEANS OF IDENTIFICATION:
RECOMMENDED USE OF PRODUCT: Curing Agent for Mold-making Rubber
SUPPLIER'S DETAILS: GT Products, Inc.
501 Industrial Blvd.
Grapevine, TX 76051
Telephone: (800) 221-0866
(817) 481-7113
Fax: (817) 421-1211

EMERGENCY CONTACT: CHEMTREC (24 Hours):1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS Not Classified
HEALTH HAZARDS Reproductive Toxicity – Category 2
ENVIRONMENTAL HAZARDS Not Classified

GHS LABEL ELEMENTS

PICTOGRAMS



SIGNAL WORDS Warning
HAZARD STATEMENTS H361: Suspected of damaging fertility
PRECAUTIONARY STATEMENTS [PREVENTION] P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood
P281: Use personal protective equipment as required
[RESPONSE] P308+313: IF exposed or concerned: Get medical advice/attention
[STORAGE] P405: Store locked up

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[DISPOSAL]

P501-Dispose of contents/container through a waste management company authorized by the local government.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance or Mixture Mixture

Hazardous Ingredients

CAS#

Percentage (%)

Methylhydrogensiloxane
dimethylsiloxane copolymer

68037-59-2

35-45

Dimethylhydrogen terminated PDMS

70900-21-9

15-25

Silicic acid (H₄SiO₄), tetraethyl ester,
reaction products with
chlorodimethylsilane

68988-57-8

10-20

Tetravinyltetramethylcyclotetrasiloxane

2554-06-5

<3

Octamethylcyclotetrasiloxane

556-67-2

<2

4. FIRST AID MEASURES

INGESTION:

Rinse mouth. Never give anything by mouth to an unconscious person. Seek medical attention; Do NOT induce vomiting.

SKIN CONTACT:

Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water.

INHALATION:

Remove to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist.

EYE CONTACT:

Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists.

PROTECTION FOR FIRST-AIDERS:

A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Foam, carbon dioxide, dry chemical

SPECIFIC FIRE HAZARDS:

Fire will form hazardous combustion gases of carbon dioxide (CO₂), carbon monoxide (CO), SiO₂, and oxides of nitrogen (NO_x). Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C.

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Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard

FIREFIGHTER EQUIPMENT: Wear respirator and all protective coverings.

6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECATIONS,
PROTECTIVE EQUIPMENT AND
EMERGENCY:** Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation.
**ENVIRONMENTAL
PRECAUTIONS:** Prevent product from entering drains.
CLEAN UP: Scrape up and disposed of in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

HANDLING: Wear protective equipment; Avoid contact with skin and eyes.
STORAGE: Keep container tightly closed. Store in a cool, dry place. Keep away from oxidizing material. Store locked up

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

<i>Hazardous Ingredient</i>	<i>CAS#</i>	<i>Limit/Set by</i>
Tetravinyltetramethylcyclotetrasiloxane	2554-06-5	0.1 mg/m ³ REL/NIOSH
Octamethylcyclotetrasiloxane	556-67-2	Not established.

ENGINEERING CONTROLS: None Available

**PERSONAL PROTECTIVE
EQUIPMENT:**

RESPIRATORY PROTECTION: No required under normal use
HAND PROTECTION Protective gloves
EYE PROTECTION Wear safety glasses or goggles. Face shield if situation requires
SKIN AND BODY PROTECTION Protective clothing if situation requires

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: No Odor
ODOR THRESHOLD: Not Available
pH: Not Available
MELTING POINT: Not Available
BOILING POINT RANGE: Not Applicable, will decompose before it will boil
FLASH POINT: >205°F (Setaflash)
EVAPORATION RATE: Not Available
FLAMMABILITY(solid/gas): Not Available

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EXPLOSION LIMITS:

UPPER Not Available

LOWER Not Available

VAPOR PRESSURE: <0.1mbar @ 68°F

VAPOR DENSITY: All vapors are denser than air

RELATIVE DENSITY: 1.0 g/mL

SOLUBILITY: Not soluble in water

PARTITION COEFFICIENT: N-

OCTANOL/WATER: Not Available

AUTO-IGNITION TEMPERATURE: Not Available

DECOMPOSITION

TEMPERATURE: >150°C

VISCOSITY: Not Available

10. STABILITY AND REACTIVITY

REACTIVITY: Product is designed to react with its counterpart base containing vinyl functional groups in the presence of a platinum catalyst.

CHEMICAL STABILITY: Stable in the absence of contamination

HAZARDOUS REACTIONS: None

CONDITIONS TO AVOID: Avoid contact with strong acid.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous combustion gases of Carbon dioxide(CO₂), Carbon Monoxide(CO), SiO₂, Contact with acids or bases releases flammable hydrogen gas.

Product contains silicone, which is known to produce formaldehyde when temperatures reach in excess of 150°C.

Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard

INCOMPATIBILITY: Acids, alkalis

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Available

SKIN CORROSION/IRRITATION: Not Available

EYE DAMAGE/IRRITATION: Tetravinyltetramethylcyclotetrasiloxane is listed to cause eye irritation but not GHS classified for product overall due to concentration of ingredient being below 3% threshold.

RESPIRATORY OR SKIN

SENSITATION:

GERM CELL MUTAGENICITY: Not Available

CARCINOGENICITY: Not Available

REPRODUCTIVE TOXICITY: Octamethylcyclotetrasiloxane is suspected of damaging fertility. A two year combined chronic/carcinogenicity assay was conducted on octamethylcyclotetrasiloxane (D4). Fischer-344 rats were exposed by whole body vapor inhalation 6hr/day, 5 days/week for up to 103 weeks to 0, 10, 30, 150 or 700ppm of D4. A statistically significant increase in incidence of uterine endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female rats at 700ppm. Since these effects only occurred at 700ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or

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STOST- SINGLE EXPOSURE: consumer uses of products containing D4 would result in a significant risk to humans.
STOST- REPEATED EXPOSURE: Not Available
ASPIRATION HAZARD: Not Available

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Do not allow to enter soil, waterways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data is not available.
PERSISTENCE/DEGRADABILITY: Not Available
BIOACCUMULATIVE POTENTIAL: Not Available
MOBILITY IN SOIL: Not Available

13. DISPOSAL CONSIDERATIONS

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

UN/NA Number: Not Regulated
DOT SHIPPING NAME: Not Regulated
DOT HAZARD CLASS: Not Regulated
IMDG – P.S.N.: Not Regulated
IMDG – CLASS: Not Regulated
IMDG – PACKING GROUP: Not Regulated
IMDG – Marine Pollutant: Not Regulated
IATA - P.S.N.: Not Regulated
IATA - CLASS: Not Regulated
IATA – PACKING GROUP: Not Regulated

This product and its ingredients are NOT considered dangerous goods according to the *UN Model Regulations, ADR, RID, and the ADN.*

15. REGULATORY INFORMATION

US REGULATIONS

US SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Section 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

<i>Hazardous Ingredient</i>	<i>SARA 302 (40 CFR 355, Appendix A)</i>	<i>SARA 304 (40 CFR Table 302.4)</i>	<i>SARA 313 (40 CFR 372.65)</i>
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Methylhydrogensiloxane dimethylsiloxane copolymer	No	No	No
Dimethylhydrogen terminated PDMS	No	No	No
Silicic acid (H4SiO4), tetraethyl ester, reaction products with chlorodimethylsilane	No	No	No
Tetravinyltetramethylcyclotetrasiloxane	No	No	No
Octamethylcyclotetrasiloxane	No	No	No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs(4,540 kg) therefore applies, per 40 CFR 370.20

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

SARA 311/312(40 CFR 370) HAZARDS: Acute: No, Chronic: Yes, Fire: No, Pressure: No

CALIFORNIA, (PROPOSITION 65): Neither this product nor its ingredients are listed

TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

CANADIAN DSL/NDSL INVENTORY: The components of this product are on the DSL or NDSL Inventories.

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES(AICS) STATUS: The components of this product are listed on the AICS

KOREAN INVENTORY: The components of this product are listed or exempted.

16. OTHER INFORMATION

HMIS Rating: Health-1, Fire-0, Reactive-0

Because the product is a mixture, the majority of the data used was transferred from the safety data sheets of the product's hazardous ingredients, whose manufacturer identity we wish to remain anonymous for competitive reasons.

We believe the above information is correct as of the date of this MSDS. However, as this information and the conditions under which the product are used are beyond the control of GT PRODUCTS, INC., it is the user's obligation to determine the conditions for the safe use of the product. No warranty, expressed or implied, is hereby made.

Date Created/Revised: 12/07/15

Made By: Daniel Shaw