

GT Products, Inc.
SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME: GT-5811
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

PHYSICAL HAZARDS Not Classified
HEALTH HAZARDS Not Classified
ENVIRONMENTAL HAZARDS Not Classified

GHS LABEL ELEMENTS

PICTOGRAMS None
SIGNAL WORDS None
HAZARD STATEMENTS None
PRECAUTIONARY STATEMENTS
[PREVENTION] None
[RESPONSE] None
[STORAGE] None
[DISPOSAL] None

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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Substance or Mixture Mixture

Hazardous Ingredients *CAS#* *Percentage (%)*

Quartz 14808-60-7 5-10%

*Quartz or crystalline silica is considered to be a nuisance dust. All hazards associated with the substance are only applicable when the substance is in its respirable form. However, crystalline silica is not expected to be hazardous when compounded into a liquid polymer like its current state in this product because it is no longer respirable under normal conditions. Therefore, all hazards associated with respirable quartz are not listed.

4. FIRST AID MEASURES

INGESTION:	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:	No first aid should be needed. Remove to fresh air.
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(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
FIREFIGHTER EQUIPMENT:	Wear respirator and all protective coverings.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, 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

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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>
Quartz	14808-60-7	For Respirable Dust - TWA: 0.025mg/m ³ (ACGIH), 0.3mg/m ³ (OSHA)

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

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REACTIVITY:	Product is designed to react with a catalyst to initiate vulcanization.
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:	Oral – LD ₅₀ (Rat): >22500 mg/kg (calculated from known toxicities)
SKIN CORROSION/IRRITATION:	Not Available
EYE DAMAGE/IRRITATION:	Not Available
RESPIRATORY OR SKIN SENSITATION:	Not Available
GERM CELL MUTAGENICITY:	Not Available
CARCINOGENICITY:	Quartz (CAS 14808-60-7) is listed by the IARC and the NTP to cause cancer in humans.
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

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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>
Quartz, Amorphous Silica	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): Quartz, Amorphous silica

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.

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SAFETY DATA SHEET

Date Created/Revised: 12/07/15

Made By: Daniel Shaw

GT Products, Inc.
SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME: CA-5811
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 1A
Reproductive Toxicity – Category 2
Specific Target Organ Systemic Toxicity (RE) – Category 1
ENVIRONMENTAL HAZARDS Not Classified

GHS LABEL ELEMENTS

PICTOGRAMS



SIGNAL WORDS Danger
HAZARD STATEMENTS H360: May damage fertility
H361: Suspected of damaging the unborn child
H372: Causes damage to organs through prolonged or repeated exposure: (central nervous system (CNS), kidneys, heart, liver, spleen)
PRECAUTIONARY STATEMENTS [PREVENTION] P201: Obtain special instructions before use
P202: Do not handle until all safety precautions have been read and understood

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[RESPONSE]

[STORAGE]

[DISPOSAL]

P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P281: Use personal protective equipment as required
P308+313: IF exposed or concerned: Get medical advice/attention
P314: Get Medical advice/attention if you feel unwell
P405: Store locked up
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 (%)

Toluene

108-88-3

<2

Tetravinyltetramethylcyclotetrasiloxane

2554-06-5

0.5-2

4. FIRST AID MEASURES

INGESTION:

Never give anything by mouth to an unconscious person. Rinse mouth out with water. 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. If not breathing, give artificial respiration. Get medical attention.

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) and Carbon Monoxide(CO)
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

FIREFIGHTER EQUIPMENT:

Wear respirator and all protective coverings.

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6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS,
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: Dispose 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, in a well-ventilated area. Store locked up.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMITS:

<i>Hazardous Ingredient</i>	<i>CAS#</i>	<i>Limit/Set by</i>
Toluene	108-88-3	NIOSH REL: 100 ppm (375 mg/m ³) TWA NIOSH REL: 150 ppm (560 mg/m ³) STEL ACGIH: 100 ppm (375 mg/m ³) TWA
Tetravinyltetramethylcyclotetrasiloxane	2554-06-5	NIOSH REL: 0.1 mg/m ³

ENGINEERING CONTROLS: None Available

**PERSONAL PROTECTIVE
EQUIPMENT:**

RESPIRATORY PROTECTION: Wear NIOSH-approved respirator if ventilation deemed insufficient.

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)

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EVAPORATION RATE:	Not Available
FLAMMABILITY(solid/gas):	Not Available
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(CO ₂), Carbon Monoxide(CO), SiO ₂ , 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:	Acute Toxicity Estimate (ATE) based on ingredient's known toxicity *Oral. – LD ₅₀ (Rat): >20,000mg/kg
SKIN CORROSION/IRRITATION:	Not Available
EYE DAMAGE/IRRITATION:	Not Available
RESPIRATORY OR SKIN SENSITATION:	Not Available
GERM CELL MUTAGENICITY:	Not Available
CARCINOGENICITY:	Not Available
REPRODUCTIVE TOXICITY:	Toluene is listed to may damage fertility and suspected of damaging the unborn child.
STOST- SINGLE EXPOSURE:	Not Available
STOST- REPEATED EXPOSURE:	Toluene is listed to target the following organs: central nervous system (CNS), kidneys, liver, heart, and spleen
ASPIRATION HAZARD:	Not Available

12. ECOLOGICAL INFORMATION

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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>
Toluene	No	No	Yes
Tetravinyltetramethylcyclotetrasiloxane	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): Toluene – 1,000lbs

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SARA 311/312(40 CFR 370) HAZARDS: Acute: No, Chronic: Yes, Fire: No, Pressure: No
CALIFORNIA, (PROPOSITION 65): Toluene (CAS#108-88-3) is listed for developmental toxicity
TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

16. OTHER INFORMATION

HMIS Rating: Health-2, 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