

GT Products, Inc.
SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME: GT-5091
OTHER MEANS OF IDENTIFICATION:
RECOMMENDED USE OF PRODUCT: Condensation Cure Base
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

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[STORAGE]

P405: Store locked up

[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 (%)

Octamethylcyclotetrasiloxane

556-67-2

<2.5%

Polydimethyl(methyl vinyl)siloxane,
hydroxyl terminated

67923-19-7

1-5%

*Titanium dioxide

13463-67-7

0.1 - 1

*This product in the physical state as sold (liquid paste) should not present a dust hazard, which is the hazardous form of titanium dioxide, under normal conditions.

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. 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: 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>
Octamethylcyclotetrasiloxane	556-67-2	Not established.
Polydimethyl(methylvinyl)siloxane, hydroxyl terminated	67923-19-7	Not established.
Titanium dioxide	13463-67-7	For Respirable Dust (TWA) TLV: 10mg/m ³ /(ACGIH), PEL: 15mg/m ³ /(OSHA)

ENGINEERING CONTROLS: None Available

**PERSONAL PROTECTIVE
EQUIPMENT:**

RESPIRATORY PROTECTION: Not 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: Flowable 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:

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<i>UPPER</i>	Not Available
<i>LOWER</i>	Not Available
VAPOR PRESSURE:	Not Available
VAPOR DENSITY:	All vapors are denser than air
RELATIVE DENSITY:	1.1 g/mL
SOLUBILITY:	Not soluble in water
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not Available
AUTO-IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	>150°C
VISCOSITY:	30,000 - 50,000 cS

10. STABILITY AND REACTIVITY

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): >10000mg/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:	Titanium dioxide is listed by the IARC under its 2B classification. It is also listed by the ACGIH under its A4 classification. However, these two hazards are associated with titanium dioxide in its dust form. As mentioned in Section 3, titanium dioxide in its current form should not produce a dust hazard.
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>
----- Octamethylcyclotetrasiloxane	No	No	No

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Polydimethyl(methyl vinyl)siloxane, hydroxyl terminated	No	No	No
Titanium dioxide	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): Titanium dioxide

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

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-5091
OTHER MEANS OF IDENTIFICATION:
RECOMMENDED USE OF PRODUCT: Curing catalyst for condensation base
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 Flammable - Category 3
HEALTH HAZARDS Acute Toxicity, Oral – Category 5
STOT, Repeated Exposure – Category 2 (Bladder)
ENVIRONMENTAL HAZARDS Not Classified

GHS LABEL ELEMENTS

PICTOGRAMS



SIGNAL WORDS Warning
HAZARD STATEMENTS H226: Flammable liquid and vapour
H303: May be harmful if swallowed
H373: May cause damage to organs, bladder, through prolonged or repeated exposure by ingestion.

PRECAUTIONARY STATEMENTS
[PREVENTION]

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

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P233: Keep container tightly closed

P240: Ground/bond container and receiving equipment

P241: Use explosion-proof electrical/ventilating/light/.../equipment

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P260: Do not breathe dust/fume/gas/mist/vapours/spray

P280: Wear protective gloves/protective clothing/eye protection/face protection.

[RESPONSE]

P312: Call a POISON CENTER or doctor/physician if you feel unwell

P314: Get Medical advice/attention if you feel unwell

P370+378: In case of fire, use an Class ABC dry extinguisher for extinction

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

[STORAGE]

P403+P235-Store in a well-ventilated place. Keep cool.

[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 (%)

Phenyltrimethoxysilane

2996-92-1

25-35

Dimethyldineodecanoatetin

68928-76-7

1-4

4. FIRST AID MEASURES

INGESTION:

Rinse with water. If swallowed: Call a poison center or doctor/physician if you fell unwell. Never give anything by mouth to an unconscious person.

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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 breathing is difficult, give oxygen. 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(CO ₂), Carbon Monoxide(CO), and Nitrogen Oxides(NO _x) Product contains silicone, which is known to produce formaldehyde and benzene 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:	Do not breathe in fumes. Wear respirator and all protective coverings.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECATIONS, PROTECTIVE EQUIPMENT AND EMERGENCY:	Keep unnecessary personnel out of the way. Eliminate all ignition sources. Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation.
ENVIRONMENTAL PRECAUTIONS:	Prevent product from entering drains.
CLEAN UP:	Absorb spilled material with suitable absorbent (e.g. rag, dry sand, clay absorbent) and disposed of, in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

HANDLING:	Wear protective equipment; Use in a well-ventilated area; Avoid contact with skin and eyes. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/light/.../equipment.
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>
Methanol; decomposition product	67-56-1	200 ppm 8hr TWA *PEL/ OSHA

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Phenyltrimethoxysilane

2996-92-1

50ppm TWA

**PEL/OSHA = Permissible Exposure Limit/ Occupational Safety and Health Administration*

ENGINEERING CONTROLS:

Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

Vapor respirator. Follow local and national regulations.

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:

Characteristic ester 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:

>75°F

EVAPORATION RATE:

Not Available

FLAMMABILITY(solid/gas):

Not Available

EXPLOSION LIMITS:

UPPER

Not Available

LOWER

Not Available

VAPOR PRESSURE:

Not Available

VAPOR DENSITY:

All vapors are denser than air

RELATIVE DENSITY:

1.04 g/mL

SOLUBILITY:

Not soluble in water

PARTITION COEFFICIENT: N-

OCTANOL/WATER:

Not Available

AUTO-IGNITION TEMPERATURE:

Not Available

DECOMPOSITION

TEMPERATURE:

>150°C

VISCOSITY:

50-100cP

10. STABILITY AND REACTIVITY

REACTIVITY:

Product is designed to react with a silanol-containing base in the presence of moisture and cure. Will react with the moisture in the air and harden if left uncapped.

CHEMICAL STABILITY:

Stable in the absence of contamination or moisture

HAZARDOUS REACTIONS:

Upon contact with water, the product will release methanol, which have some health ramifications associated with it. SEE TOXICOLOGICAL INFORMATION.

CONDITIONS TO AVOID:

Avoid contact with water and strong acid. Keep away from sources of heat as well as sources of ignition

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HAZARDOUS DECOMPOSITION PRODUCTS:	Hazardous combustion gases of Carbon dioxide(CO ₂), Carbon Monoxide(CO), and Nitrogen Oxides(NO _x) Product contains silicone, which is known to produce formaldehyde and benzene when temperatures reach in excess of 150°C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard. Benzene is a known carcinogen.
INCOMPATIBILITY:	Water, acids, alkalis, iron, may react violently with electrophiles such as ferric chloride

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Calculated from known values for mixture: Oral – LD ₅₀ (Rat): >2000mg/kg
SKIN CORROSION/IRRITATION:	Prolonged skin contact may cause temporary irritation.
EYE DAMAGE/IRRITATION:	Direct contact with eyes may cause temporary irritation.
RESPIRATORY OR SKIN SENSITATION:	Not Available
GERM CELL MUTAGENICITY:	Not Available
CARCINOGENICITY:	Not Available
REPRODUCTIVE TOXICITY:	Not Available
STOST- SINGLE EXPOSURE:	Not Available
STOST- REPEATED EXPOSURE:	Category 2 hazard – for Methanol; decomposition product (<1%): May cause conjunctivitis, dizziness, sleeplessness, and gastrointestinal and optical disturbances. Category 2 hazard – for phenyltrimethoxysilane: May cause damage to organs (bladder) through prolonged or repeated exposure.
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:	UN1993.
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DOT SHIPPING NAME: "FLAMMABLE LIQUID N.O.S. – Silicone Mixture Contains Methanol"
DOT HAZARD CLASS: Flammable Liquid.

IMDG – P.S.N.: FLAMMABLE LIQUID N.O.S. (Methanol)
IMDG – CLASS: Class 3
IMDG – PACKING GROUP: PGIII
IMDG – Marine Pollutant: No
IATA - P.S.N.: FLAMMABLE LIQUID N.O.S. (Methanol)
IATA - CLASS: Class 3
IATA – PACKING GROUP: PGIII

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>
Phenyltrimethoxysilane	No	No	No
Dimethyldineodecanoatetin	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: Yes, Chronic: Yes, Fire: Yes, 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.

CANADIAN INGREDIENT DISCLOSURE LIST: No components listed

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES(AICS) STATUS: The components of this product are listed on the AICS except:
None

16. OTHER INFORMATION

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.

Section 8 *Exposure Limits* attained from www.osha.gov and www.aiha.org .

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

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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