

**Radians, Inc.**  
**SAFETY DATA SHEET**

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1. PRODUCT IDENTIFICATION

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**TRADE NAME:** GT6358A  
**OTHER MEANS OF IDENTIFICATION:**  
**RECOMMENDED USE OF PRODUCT:** A-side for Custom Molded Earplugs  
**SUPPLIER'S DETAILS:** Radians, Inc.  
5305 Distriplex Farms Dr.  
Memphis, TN 38141  
Telephone: (877) 723-4267  
(901) 388-7776  
Fax: (901) 266-2558

**EMERGENCY CONTACT:** Not Available

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2. HAZARDS IDENTIFICATION

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**CLASSIFICATION OF THE GHS**

*PHYSICAL HAZARDS* Not Classified  
*HEALTH HAZARDS* Skin Irritation/Corrosion – Category 3  
Serious Eye Damage/Eye Irritation – Category 3  
*ENVIRONMENTAL HAZARDS* Not Classified

**GHS LABEL ELEMENTS**

*PICTOGRAMS* None  
*SIGNAL WORDS* Warning  
*HAZARD STATEMENTS* H316 - Causes Mild Skin Irritation  
H320 - Causes Eye Irritation

**PRECAUTIONARY STATEMENTS**

*[PREVENTION]*

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

*[RESPONSE]*

P305+P351+P338: IF IN EYES – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313-If eye irritation persists: Get medical advice/attention.

P264-Wash hands thoroughly after handling.

P332+P313-If skin irritation occurs: Get medical advice/attention.

*[STORAGE]*

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

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

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**CLEAN UP:** Scrape up and disposed of in accordance with appropriate laws and regulations.

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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.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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**EXPOSURE LIMITS:**

<i>Hazardous Ingredient</i>	<i>CAS#</i>	<i>Limit/Set by</i>
silane, dimethyldichloro-, reaction product with silica	068611-44-9	3mg/m <sup>3</sup> (respirable dust) TWA/ACGIH

**ENGINEERING CONTROLS:** None Available

**PERSONAL PROTECTIVE EQUIPMENT:**

<i>RESPIRATORY PROTECTION:</i>	No 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

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9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>PHYSICAL STATE:</b>	Putty
<b>ODOR:</b>	No Odor
<b>ODOR THRESHOLD:</b>	Not Available
<b>pH:</b>	Not Available
<b>MELTING POINT:</b>	Not Available
<b>BOILING POINT RANGE:</b>	Not Applicable, will decompose before it will boil
<b>FLASH POINT:</b>	>205°F (Setaflash)
<b>EVAPORATION RATE:</b>	Not Available
<b>FLAMMABILITY(solid/gas):</b>	Not Available
<b>EXPLOSION LIMITS:</b>	
<i>UPPER</i>	Not Available
<i>LOWER</i>	Not Available
<b>VAPOR PRESSURE:</b>	<0.1mbar @ 68°F
<b>VAPOR DENSITY:</b>	All vapors are denser than air
<b>RELATIVE DENSITY:</b>	1.1-1.2 g/mL
<b>SOLUBILITY:</b>	Not soluble in water
<b>PARTITION COEFFICIENT: N-OCTANOL/WATER:</b>	Not Available
<b>AUTO-IGNITION TEMPERATURE:</b>	Not Available
<b>DECOMPOSITION TEMPERATURE:</b>	>150°C
<b>VISCOSITY:</b>	Not Available

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10. STABILITY AND REACTIVITY

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<b>REACTIVITY:</b>	Product is designed to react with its B-side, which contains silicon hydrogen
<b>CHEMICAL STABILITY:</b>	Stable in the absence of contamination
<b>HAZARDOUS REACTIONS:</b>	None
<b>CONDITIONS TO AVOID:</b>	Avoid contact with strong acids, alkalis, or strong oxidizers.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Hazardous combustion gases of Carbon dioxide(CO <sub>2</sub> ), Carbon Monoxide(CO), SiO <sub>2</sub> , 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
<b>INCOMPATIBILITY:</b>	Acids, Alkalis, Strong Oxidizers

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11. TOXICOLOGICAL INFORMATION

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

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12. ECOLOGICAL INFORMATION

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<b>ECOTOXICITY:</b>	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.
<b>PERSISTENCE/DEGRADABILITY:</b>	Not Available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not Available
<b>MOBILITY IN SOIL:</b>	Not Available

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13. DISPOSAL CONSIDERATIONS

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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.

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14. TRANSPORT INFORMATION

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**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.**

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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>
silane, dimethyldichloro-, reaction product with 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):** 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 REGULATIONS**

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

**CANADIAN WHMIS CLASSIFICATION:** None

**CANADIAN INGREDIENT DISCLOSURE LIST:** No components listed

**EUROPEAN ECONOMIC COMMUNITY INFORMATION**

**EU CLASSIFICATION:** [Xi] Irritant

**EU RISK PHRASES:** R38: Irritating to skin, R41: Risk of serious damage to eyes

**EU SAFETY PHRASES:** S2: Keep out of the reach of children, S7/8: Keep container tightly closed and dry, S24/25: Avoid contact with skin and eyes, S27/28: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water, S29/35: Do not empty into drains; dispose of this material and its container in a safe way, S36/37/39: Wear suitable protective clothing, gloves

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and eye/face protection, S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible



Hazardous Ingredients

EINECS#

silane, dimethyldichloro-, reaction  
product with silica

271-893-4

**AUSTRALIAN REGULATIONS**

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

**HAZARDOUS SUBSTANCES INFORMATION SYSTEM:** No components of this product are listed by the Hazardous Substances Information System as a Hazardous Substance

**KOREAN REGULATIONS**

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

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16. OTHER INFORMATION

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

The ingredient, silane, dimethyldichloro-, reaction product with silica, is considered a nuisance dust. This ingredient is wetted out with various fluids to where it is incapable of becoming airborne under normal use conditions of this product.

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 RADIANS, 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: 4/10/13

Made By: Daniel Shaw

**Radians, Inc.**  
**SAFETY DATA SHEET**

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1. PRODUCT IDENTIFICATION

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**TRADE NAME:** GT6358B  
**OTHER MEANS OF IDENTIFICATION:**  
**RECOMMENDED USE OF PRODUCT:** B-side for Custom Molded Earplugs  
**SUPPLIER'S DETAILS:** Radians, Inc.  
5305 Distriplex Farms Dr.  
Memphis, TN 38141  
Telephone: (877) 723-4267  
(901) 388-7776  
Fax: (901) 266-2558

**EMERGENCY CONTACT:** Not Available

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2. HAZARDS IDENTIFICATION

---

**CLASSIFICATION OF THE GHS**

*PHYSICAL HAZARDS* Not Classified  
*HEALTH HAZARDS* Skin Irritation/Corrosion – Category 3  
Serious Eye Damage/Eye Irritation – Category 3  
*ENVIRONMENTAL HAZARDS* Not Classified

**GHS LABEL ELEMENTS**

*PICTOGRAMS* None  
*SIGNAL WORDS* Warning  
*HAZARD STATEMENTS* H316 - Causes Mild Skin Irritation  
H320 - Causes Eye Irritation

**PRECAUTIONARY STATEMENTS**

*[PREVENTION]* P280: Wear protective gloves/protective clothing/eye protection/face protection.

*[RESPONSE]* P305+P351+P338: IF IN EYES – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313-If eye irritation persists: Get medical advice/attention.  
P264-Wash hands thoroughly after handling.  
P332+P313-If skin irritation occurs: Get medical advice/attention.

*[STORAGE]* P403+P235-Store in a well-ventilated place. Keep cool.  
P403+P235-Store in a well-ventilated place. Keep cool.

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**Radians, Inc.**  
**SAFETY DATA SHEET**

*[DISPOSAL]*

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

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

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**Substance or Mixture**                      Mixture

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<i>Hazardous Ingredients</i>	<i>CAS#</i>	<i>Percentage (%)</i>
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dimethyl, methylhydrogen siloxane copolymers, hydride endblocked silane, dimethyldichloro-, reaction product with silica	069013-23-6	3-9%
	068611-44-9	5-10%

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4. FIRST AID MEASURES

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**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

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5. FIRE-FIGHTING MEASURES

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**SUITABLE EXTINGUISHING MEDIA:**

Foam, Carbon Dioxide, Dry Chemical

**SPECIFIC FIRE HAZARDS:**

Fire will form hazardous combustion gases of Carbon dioxide(CO<sub>2</sub>) 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

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**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY:**

Safety glasses and gloves are suggested to prevent eye and skin contact. Provide sufficient ventilation.

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**Radians, Inc.**  
**SAFETY DATA SHEET**

**ENVIRONMENTAL  
PRECAUTIONS:  
CLEAN UP:**

Prevent product from entering drains.

Scrape up and disposed of in accordance with appropriate laws and regulations.

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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.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

---

**EXPOSURE LIMITS:**

<i>Hazardous Ingredient</i>	<i>CAS#</i>	<i>Limit/Set by</i>
dimethyl, methylhydrogen siloxane copolymers, hydride endblocked	069013-23-6	Not Available
silane, dimethyldichloro-, reaction product with silica	068611-44-9	3mg/m <sup>3</sup> (respirable dust) TWA/ACGIH

**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

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9. PHYSICAL AND CHEMICAL PROPERTIES

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**PHYSICAL STATE:**

Putty

**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:**

*UPPER*

Not Available

*LOWER*

Not Available

**VAPOR PRESSURE:**

<0.1mbar @ 68°F

**VAPOR DENSITY:**

All vapors are denser than air

**RELATIVE DENSITY:**

1.1-1.2 g/mL

**SOLUBILITY:**

Not soluble in water

**PARTITION COEFFICIENT: N-  
OCTANOL/WATER:**

Not Available

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**Radians, Inc.**  
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**AUTO-IGNITION TEMPERATURE:** Not Available  
**DECOMPOSITION TEMPERATURE:** >150°C  
**VISCOSITY:** Not Available

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10. STABILITY AND REACTIVITY

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**REACTIVITY:** Product is designed to react with vinyl-functional silicone 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 acids, alkalis, or strong oxidizers.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous combustion gases of Carbon dioxide(CO<sub>2</sub>), Carbon Monoxide(CO), SiO<sub>2</sub>, 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, Strong Oxidizers

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11. TOXICOLOGICAL INFORMATION

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**ACUTE TOXICITY:** Not Available  
**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:** Not Available  
**STOST- SINGLE EXPOSURE:** Not Available  
**STOST- REPEATED EXPOSURE:** Not Available  
**ASPIRATION HAZARD:** Not Available

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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

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13. DISPOSAL CONSIDERATIONS

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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.

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**Radians, Inc.**  
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14. TRANSPORT INFORMATION

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**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.**

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15. REGULATORY INFORMATION

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**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>
dimethyl, methylhydrogen siloxane copolymers, hydride endblocked silane,	No	No	No
dimethyldichloro-, reaction product with 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):** 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 REGULATIONS**

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

**CANADIAN WHMIS CLASSIFICATION:** None

**CANADIAN INGREDIENT DISCLOSURE LIST:** No components listed

**EUROPEAN ECONOMIC COMMUNITY INFORMATION**

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**Radians, Inc.**  
**SAFETY DATA SHEET**

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**EU CLASSIFICATION:** [Xi] Irritant

**EU RISK PHRASES:** R38: Irritating to skin, R41: Risk of serious damage to eyes

**EU SAFETY PHRASES:** S2: Keep out of the reach of children, S7/8: Keep container tightly closed and dry, S24/25: Avoid contact with skin and eyes, S27/28: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water, S29/35: Do not empty into drains; dispose of this material and its container in a safe way, S36/37/39: Wear suitable protective clothing, gloves and eye/face protection, S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible



Hazardous Ingredients

EINECS#

dimethyl, methylhydrogen siloxane copolymers, hydride endblocked silane, dimethyldichloro-, reaction product with silica

Not Available

271-893-4

**AUSTRALIAN REGULATIONS**

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

**HAZARDOUS SUBSTANCES INFORMATION SYSTEM:** No components of this product are listed by the Hazardous Substances Information System as a Hazardous Substance

**KOREAN REGULATIONS**

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

---

**16. OTHER INFORMATION**

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

The ingredient, silane, dimethyldichloro-, reaction product with silica, is considered a nuisance dust. This ingredient is wetted out with various fluids to where it is incapable of becoming airborne under normal use conditions of this product.

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 RADIANS, 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: 04/10/13

Made By: Daniel Shaw