

## \* 1 Identification

- **Product identifier**
- **Trade name: Resbond 907GF**
- **Article number: 907GF**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Cotronics Corp  
131 47th Street  
Brooklyn, NY 11232  
USA
- **Information department:** In the event of an emergency please call Chemtrec at 1 800-424-9300 (24 hour)

## \* 2 Hazard(s) identification

- **Classification of the substance or mixture**



Acute Tox. 4 H302 Harmful if swallowed.  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
Silicate
- **Hazard statements**  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P233 Keep container tightly closed.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection / face protection.  
P285 In case of inadequate ventilation wear respiratory protection.  
P301+P310 If swallowed: Immediately call a doctor.  
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
P302+P352 If on skin: Wash with plenty of water.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P337+P313 If eye irritation persists: Get medical attention.  
P404 Store in a closed container.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Additional information:**  
Mild mechanical irritation to skin, eyes, and upper respiratory system may result from exposure.  
These effects are usually temporary. Minimize exposure to airborne dust.  
1.5 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

**3 Composition/information on ingredients**

· **Chemical characterization: Mixtures**

· **Description:**

Nonhazardous materials will not be listed separately.

When encapsulated in a liquid mixture, powders are not expected to pose a health hazard when processed under normal conditions of use.

· **Components:**

1344-09-8 Silicate	10-<20%
142844-00-6 Refractory Ceramic Fibers (RCF)	10-<25%
1317-61-9 Black Iron Oxide	2.5-<10%
7631-86-9 Amorphous silica	0.1-<1%

\* **4 First-aid measures**

· **Description of first aid measures**

· **General information:** Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Move to a place with fresh air and keep at rest.

Obtain medical attention if needed.

· **After skin contact:**

Immediately wash with water

If irritation continues, consult a doctor.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water.

Get medical attention

· **After swallowing:** Do not induce vomiting; immediately call a doctor.

· **Most important symptoms and effects, both acute and delayed**

Mild mechanical irritation to skin, eyes, and upper respiratory system may result from exposure.

· **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**5 Fire-fighting measures**

· **Extinguishing media**

· **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray.

· **Special hazards arising from the substance or mixture** Aluminum oxide, Silicon oxides

· **Advice for firefighters** Wear self-contained breathing apparatus, if necessary

· **Protective equipment:** Use personal protective equipment.

\* **6 Accidental release measures**

· **Personal precautions, protective equipment and emergency procedures** Not required.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

HEPA vacuum

Wet down area before clean up.

Do not use compressed air or dry sweeping.

· **Reference to other sections**

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## \* 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities** Store away from acids and flammable materials.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep in sealed containers
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep sealed container(s) at room temperature  
Recommended to keep in a cool, dry condition atmosphere.
- **Specific end use(s)** No further relevant information available.

## \* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**  
Personal protection is required while machining this material. Use suitable face/eye/hand protection.  
Precautions to be taken AFTER use and upon removal  
This product as manufactured is a Silicate which contains encapsulated silica. It is not considered respirable in the liquid form or cured form. If the cured cement is heated the silica could transform to mullite and cristobalite (a form of crystalline silica). Removal of this product in the cured state is by mechanical means. This may cause the generation of dust, repeated inhalation of respirable, free crystalline silica dust may cause lung injury (silicosis).
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Do not eat or drink while working.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Do not eat or drink while working.
- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:** Impervious gloves
- **Eye protection:**



Tightly sealed goggles

## \* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - **Form:** Creamy Paste
  - **Color:** Grey
  - **Odor:** Characteristic
- **pH-value:** Not determined.
- **Change in condition**
  - **Melting point/Melting range:** Not Applicable.
  - **Boiling point/Boiling range:** 100 °C (212 °F)
- **Flash point:** Not applicable.

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- **Flammability (solid, gaseous):** *Not Applicable.*
- **Auto igniting:** *Product is not selfigniting.*
- **Danger of explosion:** *Product does not present an explosion hazard.*
- **Explosion limits:**
  - Lower:** *Not Applicable*
  - Upper:** *Not Applicable.*
- **Vapor pressure at 20 °C (68 °F):** *23 hPa (17.3 mm Hg)*
- **Density:** *Not determined.*
- **Solubility in / Miscibility with Water:** *Not miscible or difficult to mix.*
- **Solvent content:**
- **VOC content:** *25.4 g/l*
- **Other information** *No further relevant information available.*

## \*10 Stability and reactivity

- **Reactivity** *No further relevant information available.*
- **Chemical stability** *Stable*
- **Thermal decomposition / conditions to be avoided:** *Not applicable.*
- **Possibility of hazardous reactions** *No dangerous reactions known.*
- **Conditions to avoid** *No further relevant information available.*
- **Incompatible materials:** *Strong acids*
- **Hazardous decomposition products:** *No dangerous decomposition products known.*

## \*11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
  - 7631-86-9 Amorphous silica**
  - Oral LD50 5000 - 10000 mg/kg (Rat) (OECD Guideline 401)
  - Dermal LD50 > 5000 mg/kg (Rabbit)
  - Inhalative LC0 > 140 - > 2000 mg/l (Rat) (OECD Guideline 403)  
4 hours  
*Maximum attainable concentration, mortality does not appear.*
- **Primary irritant effect:**
- **On the skin:** *Irritating to skin.*
- **On the eye:** *Irritating effect.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**  
*The product shows the following dangers according to internally approved calculation methods for preparations:*  
*Harmful*  
*Irritant*
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
  - 142844-00-6 Refractory Ceramic Fibers (RCF): 2B
  - 13983-17-0 Grammite: 3
  - 7631-86-9 Amorphous silica: 3
  - 14808-60-7 Quartz (SiO<sub>2</sub>): 1
- **NTP (National Toxicology Program)**  
*None of the materials are listed*
- **OSHA-Ca (Occupational Safety & Health Administration)**  
*None of the materials are listed*

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## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:**
  - 7631-86-9 Amorphous silica
  - EC50/24 h > 1000 mg/l (*Daphnia magna*) (OECD Guideline 202)
  - EC50/72 h > 10000 mg/l (*Scenedesmus subspicatus*) (OECD Guideline 201)
  - Comparable substance
  - LC0/96 h (static) 10000 mg/l (*Zebra Fish*) (OECD Guideline 203)
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
  - Water hazard class 1 (Self-assessment): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Dispose material in accordance with federal, state, local and international regulations.

## 14 Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Not Regulated for Transport
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Not Regulated for Transport
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Not Regulated for Transport
- **Packing group**
- **DOT, ADR, IMDG, IATA** Not Regulated for Transport
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** Not Regulated for Transport

## \*15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **SARA**
- **Section 313 (specific toxic chemical listings):**
  - 107-21-1 Ethylene Glycol
- **Section 302 (extremely hazardous substance):**
  - None of the ingredients are listed
- **Section 304 (emergency release notification):**
  - None of the ingredients are listed
- **Sections 311/312 (hazards)**
  - 142844-00-6 Refractory Ceramic Fibers (RCF): Chronic

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1332-58-7 *Hydrous Aluminum Silicate: Chronic*

7631-86-9 *Amorphous silica: Chronic, Acute*

8031-18-3 *Fuller's Earth: Chronic, Acute*

1302-78-9 *Colloidal Clay: Chronic*

14808-60-7 *Quartz (SiO<sub>2</sub>): Chronic*

· **TSCA (Toxic Substances Control Act) (Substances not listed):**

142844-00-6 *Refractory Ceramic Fibers (RCF)*

13983-17-0 *Grammite*

· **Proposition 65**

· **Chemicals known to cause cancer:**

142844-00-6 *Refractory Ceramic Fibers (RCF)*

1332-58-7 *Hydrous Aluminum Silicate*

14808-60-7 *Quartz (SiO<sub>2</sub>)*

· **Chemicals known to cause reproductive toxicity:**

14808-60-7 *Quartz (SiO<sub>2</sub>)*

· **Chemicals known to cause reproductive toxicity for females:**

*None of the materials are listed*

· **Chemicals known to cause reproductive toxicity for males:**

14808-60-7 *Quartz (SiO<sub>2</sub>)*

· **Chemicals known to cause developmental toxicity:**

*None of the materials are listed*

· **Pennsylvania Right To Know Components**

1344-09-8 *Silicate*

142844-00-6 *Refractory Ceramic Fibers (RCF)*

1317-61-9 *Black Iron Oxide*

1332-58-7 *Hydrous Aluminum Silicate*

1309-48-4 *Magnesium Oxide*

7631-86-9 *Amorphous silica*

8031-18-3 *Fuller's Earth*

1302-78-9 *Colloidal Clay*

1310-73-2 *Sodium Hydroxide*

14808-60-7 *Quartz (SiO<sub>2</sub>)*

· **Massachusetts Right To Know Components**

1317-61-9 *Black Iron Oxide*

1332-58-7 *Hydrous Aluminum Silicate*

1309-48-4 *Magnesium Oxide*

7631-86-9 *Amorphous silica*

1310-73-2 *Sodium Hydroxide*

14808-60-7 *Quartz (SiO<sub>2</sub>)*

· **New Jersey Right To Know Components**

1344-09-8 *Silicate*

142844-00-6 *Refractory Ceramic Fibers (RCF)*

1317-61-9 *Black Iron Oxide*

1332-58-7 *Hydrous Aluminum Silicate*

1309-48-4 *Magnesium Oxide*

7631-86-9 *Amorphous silica*

8031-18-3 *Fuller's Earth*

1302-78-9 *Colloidal Clay*

1310-73-2 *Sodium Hydroxide*

14808-60-7 *Quartz (SiO<sub>2</sub>)*

· **Rhode Island Right To Know Components**

1317-61-9 *Black Iron Oxide*

· **Minnesota Right To Know Components**

1317-61-9 *Black Iron Oxide*

· **Florida Right To Know Components**

1317-61-9 *Black Iron Oxide*

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- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)**  
None of the ingredients are listed
- **TLV (Threshold Limit Value established by ACGIH)**  
1332-58-7 Hydrous Aluminum Silicate: A4  
1309-48-4 Magnesium Oxide: A4  
107-21-1 Ethylene Glycol: A4  
14808-60-7 Quartz (SiO<sub>2</sub>): A2
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
14808-60-7 Quartz (SiO<sub>2</sub>)
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
Silicate
- **Hazard statements**  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P233 Keep container tightly closed.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection / face protection.  
P285 In case of inadequate ventilation wear respiratory protection.  
P301+P310 If swallowed: Immediately call a doctor.  
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.  
P302+P352 If on skin: Wash with plenty of water.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P337+P313 If eye irritation persists: Get medical attention.  
P404 Store in a closed container.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## 16 Other information

To the best of our knowledge, the information contained herein is correct. Cotronics does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. We do not guarantee that the hazards described herein are the only hazards that exist.

- **Department issuing SDS:** Environment protection department.
- **Contact:** Dr. Alan Reznik
- **Date of preparation / last revision** 04/16/2019 / 4
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety

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OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

· **\* Data compared to the previous version altered.**

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