



SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Resbond 907GF
ARTICLE NUMBER 907GF
DATE: 6/24/2015
MANUFACTURER: **COMPONENT HARDWARE GROUP, INC.**
1890 SWARTHMORE AVENUE
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SECTION 2. HAZARDS IDENTIFICATION

ACUTE TOX.: 4 H302 Harmful if swallowed.
SKIN IRRITANT: 2 H315 Causes skin irritation.
EYE IRRITANT: 2A H319 Causes serious eye irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EEC

INFORMATION CONCERNING PARTICULAR HAZARDS FOR HUMAN AND ENVIRONMENT: The product has to be labeled due to the calculation procedure of international guidelines.

CLASSIFICATION SYSTEM: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

LABEL ELEMENTS

LABELING ACCORDING TO EU GUIDELINES: The product has been classified and marked in accordance with directives on hazardous materials.

CODE LETTER AND HAZARD DESIGNATION OF PRODUCT: Harmful



HAZARD-DETERMINING COMPONENTS OF LABELING: Refractory Ceramic Fibers (RCF)

RISK PHRASES: Harmful if swallowed. Irritating to eyes and skin.

SAFETY PHRASES: Keep away from food, drink and animal feeding stuffs. When using do not eat or drink. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident by inhalation: remove casualty to fresh air and keep at rest. After contact with skin, wash immediately with plenty of water. Keep container tightly closed.

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

CLASSIFICATION SYSTEM:

NFPA RATINGS (SCALE 0-4): Health: 1 Flammability: 0 Physical Hazard: 0

HMIS RATINGS (SCALE 0-4): Health: 1 Flammability: 0 Physical Hazard: 0

RESULTS OF PBT AND vPvB ASSESSMENT: PBT: N/A vPvB: N/A



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SECTION 3. COMPOSITION / 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:

| CHEMICAL NAME | CAS NUMBER | % |
|---------------------------------|-------------|-----------|
| Sodium Polysilicate | 1344-09-8 | 10 - <20 |
| Refractory Ceramic Fibers (RCF) | 142844-00-6 | 10 - <25 |
| Black Iron Oxide | 1317-61-9 | 2.5 - <10 |
| Silica | 7631-86-9 | 0.1 - <1 |

SECTION 4. FIRST AID MEASURES

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

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: No further relevant information available.

GENERAL INFORMATION: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after accident.

SECTION 5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING AGENTS: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

SPECIAL HAZARDS ARISING FROM THE CHEMICAL: Aluminum oxide, Silicon oxides.

ADVICE FOR FIREFIGHTERS: Wear self-contained breathing apparatus if necessary.

PROTECTIVE EQUIPMENT: Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS / PROTECTIVE EQUIPMENT / EMERGENCY PROCEDURES: Not required.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter sewers, surface or ground water.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN 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.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE

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. Keep in sealed containers at room temperature. Recommended to keep in a cool, dry condition atmosphere.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---|---|
| ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS: | No further data; see item 7. |
| 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: | The lists that were valid during the creation were used as basis. Precautions to be taken AFTER use and upon removal. The 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: | Keep away from food, beverages and feed. 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. |

SECTION 9. PHYSICAL/ CHEMICAL PROPERTIES

APPEARANCE –

| | | |
|---|---------------------------------------|--|
| FORM: Putty | COLOR: Grey | ODOR: Characteristic |
| MELTING POINT: N/A | BOILING POINT: 100°C (212°F) | FLASH POINT: N/A |
| VAPOR PRESSURE (20°C): 23 hPa (17 mm Hg) | DENSITY: N/D | SOLUBILITY (WATER): Not soluble |
| EVAPORATION RATE (Butyl Acetate=1): N/A | FLAMMABILITY (SOLID, GAS): N/A | AUTO-IGNITION TEMPERATURE: N/A |
| DANGER OF EXPLOSION: No explosion hazard | EXPLOSIVE LIMIT LOWER (%): N/A | EXPLOSIVE LIMIT UPPER (%): N/A |
| pH VALUE: N/D | ORGANIC SOLVENTS: <2.5% | |

SECTION 10. STABILITY AND REACTIVITY

| | |
|--|--------------|
| CHEMICAL STABILITY: | Stable |
| POSSIBILITY OF HAZARDOUS REACTIONS: | None known |
| CONDITIONS TO AVOID: | N/A |
| INCOMPATIBLE MATERIALS: | Strong acids |
| THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED: | N/A |



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SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

LD/LC50 VALUES THAT ARE RELEVANT FOR CLASSIFICATION

INFORMATION ON TOXICOLOGICAL EFFECTS – ACUTE TOXICITY, TOXICOLOGICAL DATA:

| DECOMPOSITION | CAS # | SPECIES | TEST RESULTS |
|-------------------|-----------|---------|-----------------------------|
| Silica | 7631-86-9 | | |
| Oral LD50 | | Rat | 5000 - 1000 mg/kg |
| Dermal LD50 | | Rabbit | > 5000 mg/l |
| Inhalation LC0 | | Rat | > 140 - >2000 mg/l, 4 hours |

PRIMARY IRRITANT EFFECT

ON THE SKIN: Irritating to skin.

ON THE EYE: Irritating effect.

SENSITIZATION: None known.

ADDITIONAL TOXICOLOGICAL INFORMATION: The product shows the following dangers according to internally approved calculation methods of preparations: Harmful. Irritant.

CARCINOGENIC CATEGORIES

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):

| | |
|---|----|
| Refractory Ceramic Fibers (RCF) (CAS 142844-00-6) | 2B |
| Calcium Silicate (CAS 13983-17-0) | 3 |
| Silica (CAS 7631-86-9) | 3 |
| Quartz (SiO ₂) (CAS 14808-60-7) | 1 |

NTP (NATIONAL TOXICOLOGY PROGRAM): None listed.

OSHA - CA (OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION) None listed.

SECTION 12: ECOLOGICAL CONSIDERATIONS

AQUATIC TOXICITY:

| COMPONENTS: | | SPECIES | TEST RESULTS |
|---------------------------|------|---------------------------|-----------------------|
| Silica (CAS 7631-86-9) | EC50 | (Daphnia Magna) | > 1000 mg/l, 24 hours |
| | EC50 | (Scenedesmus Subspicatus) | > 1000 mg/l, 72 hours |
| | LC0 | (Zebra Fish) | > 1000 mg/l, 96hours |

PERSISTENCE AND DEGRADABILITY: N/A

BIOACCUMULATIVE POTENTIAL: N/A

MOBILITY IN SOIL: N/A

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: N/A

PBT: N/A

OTHER ADVERSE EFFECTS: N/A



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SECTION 13: DISPOSAL CONSIDERATIONS

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose material in accordance with federal, state, local and international regulations.

SECTION 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(S) DOT, ADR, ADN, IMDG, IATA: | Not regulated for transport. |
| PACKING GROUP DOT, ADR, IMDG, IATA: | Not regulated for transport. |
| ENVIRONMENTAL HAZARDS MARINE POLLUTANT: | No. |
| SPECIAL PRECAUTIONS FOR USER: | N/A |
| TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: | N/A |
| UN "MODEL REGULATION": | - |

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE – SARA

| | | |
|---|--|--|
| SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTING): | Ethylene Glycol (CAS 107-21-1) | |
| SECTION 302 (EXTREME HAZARDOUS SUBSTANCE): | None listed. | |
| SECTION 304 (EMERGENCY RELEASE NOTIFICATION): | None listed. | |
| SECTION 311/312 (HAZARDS): | Refractory Ceramic Fibers (RCF) (CAS 142844-00-6) Hydrous Aluminum Silicate (CAS 1332-58-7) Silica (CAS 7631-86-9) Fuller's Earth (CAS 8031-18-3) Montmorillonite (CAS 1302-78-9) Quartz (CAS 14808-60-7) | Chronic Chronic Chronic, Acute Chronic, Acute Chronic Chronic |
| TSCA (TOXIC SUBSTANCES CONTROL ACT): | Refractory Ceramic Fibers (RCF) (CAS 142844-00-6) Calcium Silicate (CAS 13983-17-0) | |
| CHEMICALS KNOWN TO CAUSE CANCER: | Refractory Ceramic Fibers (RCF) (CAS 142844-00-6) Hydrous Aluminum Silicate (CAS 1332-58-7) Quartz (CAS 14808-60-7) | |
| CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY: | Quartz (CAS 14808-60-7) | |
| CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES: | None listed. | |
| CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES: | Quartz (CAS 14808-60-7) | |
| CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY: | Quartz (CAS 14808-60-7) | |



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US STATE REGULATIONS

– PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT:

Sodium Polysilicate (CAS 1344-09-8)
Refractory Ceramic Fibers (RCF) (CAS 142844-00-6)
Black Iron Oxide (CAS 1317-61-9)
Hydrous Aluminum Silicate (CAS 1332-58-7)
Magnesium Oxide (CAS 1309-48-4)
Silica (CAS 7631-86-9)
Fuller's Earth (CAS 8031-18-3)
Montmorillonite (CAS 1302-78-9)
Sodium Hydroxide (CAS 1310-73-2)
Quartz (CAS 14808-60-7)

– MASSACHUSETTS: SUBSTANCE LIST:

Black Iron Oxide (CAS 1317-61-9)
Hydrous Aluminum Silicate (CAS 1332-58-7)
Magnesium Oxide (CAS 1309-48-4)
Silica (CAS 7631-86-9)
Sodium Hydroxide (CAS 1310-73-2)
Quartz (CAS 14808-60-7)

– NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW ACT:

Sodium Polysilicate (CAS 1344-09-8)
Refractory Ceramic Fibers (RCF) (CAS 142844-00-6)
Black Iron Oxide (CAS 1317-61-9)
Hydrous Aluminum Silicate (CAS 1332-58-7)
Magnesium Oxide (CAS 1309-48-4)
Silica (CAS 7631-86-9)
Fuller's Earth (CAS 8031-18-3)
Montmorillonite (CAS 1302-78-9)
Sodium Hydroxide (CAS 1310-73-2)
Quartz (CAS 14808-60-7)

– RHODE ISLAND RTK:

Black Iron Oxide (CAS 1317-61-9)

– MINNESOTA RTK:

Black Iron Oxide (CAS 1317-61-9)

– FLORIDA RTK:

Black Iron Oxide (CAS 1317-61-9)

– EPA (ENVIRONMENTAL PROTECTION AGENCY):

None listed.

– TLV (THRESHOLD LIMIT VALUE ESTABLISHED BY ACGIH):

Hydrous Aluminum Silicate (CAS 1332-58-7)
Magnesium Oxide (CAS 1309-48-4)
Ethylene Glycol (CAS 107-21-1)
Quartz (CAS 14808-60-7)

– NIOSH - CA (NATIONAL INSTITUTE FOR OCCUPIED SAFETY AND HEALTH):

Quartz (CAS 14808-60-7)

SECTION 16: OTHER INFORMATION

PREPARED BY:

COMPONENT HARDWARE GROUP, INC.

ISSUE DATE:

6/24/2015

REVISION DATE:

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FOR ASSISTANCE ON THIS PRODUCT IN EUROPE:

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