SECTION 1: MATERIAL IDENTIFICATION AND USE

Manufacturer/Supplier: WIRE-BOND
Address: 400 Rountree Road Charlotte, NC 28217
Telephone Numbers: Information: (704) 525-5554 / Emergency: (781) 461-1946
Effective Date: September 01, 2016
Relevant identified uses of the substance or mixture: Sealant
Product Name as used on Label: BOND-N-FLASH MASTIC

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

⚠️

Signal word: Warning
Hazard Statements:
Skin Irrit. 2 H315 Causes skin irritation
Eye Irrit. 2A H319 Causes serious eye irritation
Classification system: NFPA Ratings (scale 0-4)
Health = 2
Fire = 2
Reactivity = 0
HMIS: Ratings (scale 0-4)
Health = 2
Fire = 2
Physical Hazard = 0
Other hazards: results of PBT and vPvB assessment
PBT: Not applicable
vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with non hazardous additions
Hazardous components:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>471-34-1</td>
<td>Calcium carbonate</td>
</tr>
<tr>
<td>8042-41-3</td>
<td>Stoddard solvent (mineral spirits)</td>
</tr>
<tr>
<td>1332-58-7</td>
<td>Kaolin</td>
</tr>
<tr>
<td>546-93-0</td>
<td>Magnesite</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium dioxide</td>
</tr>
</tbody>
</table>
**BOND-N-FLASH**

1305-78-8   Calcium oxide  
14808-60-7   Quartz (SiO2)  

**Additional information:**
It is highly unlikely the powders and pigments compounded within this product pose a hazardous risk from inhalation since they are no longer a respirable particulate. Exposure to these ingredients as used in sealants putties, bedding compounds and other non-sprayable products is highly unlikely. The concentrations listed are percent by weight.

**SECTION 4: FIRST AID MEASURES**

<table>
<thead>
<tr>
<th>Primary Routes of Entry</th>
<th>Inhalation</th>
<th>Skin</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

**Effects of Overexposure (Acute and short-term)**
- **Skin:** Avoid contact with skin. Exposure causes irritation to the skin.
- **Ingestion:** Do not ingest- not meant to be eaten.

**Emergency and First Aid Procedures:**
- **Inhalation:** Overexposure- remove to fresh air and seek medical attention
- **Skin:** Wipe from skin. Wash affected area thoroughly with soap and water. If redness or irritation develops, obtain medical assistance.
- **Eyes:** Flush with water continuously for twenty (20) minutes. Obtain medical assistance if symptoms persist.
- **Ingestion:** Seek medical assistance immediately.

**Information for doctor:**
- Most important symptoms and effects, both acute and delayed. No further relevant information available.

**SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing Media**
Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray.

**Special hazards arising from the substance or mixture:** No further relevant information available.

**Fire Fighting Procedures**
The use of self-contained breathing apparatus is recommended for firefighters, MSHA/NIOSH (equivalent or approved) and full protective gear as in any fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Containment and Waste Disposal Method:** Dispose of contaminated material as waste in accordance with local, state and federal regulations.

**Enviromental precautions:** Do not allow product to reach sewage system or any water course.
Personal Precautions, protective equipment and emergency procedures: Ensure adequate ventilation

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken In Handling:
Open and handle receptacle with care. Keep container closed when not in use. Avoid contact with skin. Keep respiratory protective device available. Wash hands thoroughly after handling especially before eating, drinking, smoking or use of restroom.

Storage:
Material should be kept in its original container. Keep container tightly sealed. Keep away from open flames and high temperatures.

Other Precautions
KEEP OUT OF REACH OF CHILDREN

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Additional information about design of technical systems: No further data available

Control parameters: Components with limit values that require monitoring at workplace:

8052-41-3 Stoddard solvent (mineral spirits)
PEL Long-term value: 2900 MG/m3, 500 ppm
REL Long-term value: 350 ppm
   Ceiling limit value: 1800* mg/m3
   *15-min
TLV Long-term value: 525 mg/m3, 100ppm

546-93-0 Magnesite
PEL Long-term value: 15* 5** mg/m3
   *total dust **respirable fraction
REL Long-term value: 10* 5** mg/m3
   *total dust ** respirable fraction
TLV TLV withdrawn

13463-67-7 Titanium dioxide
PEL Long-term value: 15* mg/m3
   *total dust
REL See Pocket Guide App. A
TLV Long-term value: 10 mg/m3
   withdrawn from NIC

1305-78-8 Calcium oxide
PEL Long-term value: 5 mg/m3
REL Long-term value: 2 mg/m3
TLV Long-term value: 2 mg/m3

14808-60-7 Quartz (SiO2)
PEL See Quartz listing
REL Long-term value: 0.05* mg/m3
   *respirable dust: See Pocket Guide App. A
TLV Long-term value: 0.025* mg/m3
BOND-N-FLASH MASTIC

100-41-4 Ethylbenzene
PEL  Long-term value: 435 mg/m³, 100 ppm
REL  Short-term value: 545 mg/m³, 125 ppm
TLV  Long-term value: 87 mg/m³, 20 ppm

BEI
Ingredients with biological limit values:

100-41-4 Ethylbenzene
BEI  0.7 g/g creatinine
    Medium: urine
    Time: end of shift at end of workweek
    Parameter: Sum of mandelic acid and phenylglyoxylic acid (non specific, semi-quantitative)
    Medium: end exhaled air
    Time: not critical
    Parameter: Ethyl benzene (semi-quantitative)

Additional information: the lists that were valid during the creation were used as a basis.

Exposure controls
Personal protective equipment (see listings below)
General protective and hygienic measures:
Keep away from foodstuff, beverages and feed
Immediately remove all soiled and contaminated clothing
Wash hand before breaks and end of work.
Store protective clothing separately
Breathing equipment:
Use approved respiratory protection when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respiratory use limitations specified by the manufacturer.
Protection of hands:
Wear protective gloves. The glove material has to be impermeable and resistant to the product. Due to missing tests, no recommendation as to the glove material can be given.
Eye protection:
Safety glasses with side shields
Body protection:
Protective work clothing

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Appearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>Pasty</td>
</tr>
<tr>
<td>Color</td>
<td>Odor</td>
</tr>
<tr>
<td>Gray</td>
<td>Hydrocarbon-like</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Freezing Point</td>
</tr>
<tr>
<td>178 Degrees C</td>
<td>N/A.</td>
</tr>
<tr>
<td>(352 degrees F)</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity 20 Degrees C</td>
<td>Melting Point</td>
</tr>
<tr>
<td>1.44 g/cm³</td>
<td>Undetermined</td>
</tr>
<tr>
<td>(12.017 lbs/gal)</td>
<td></td>
</tr>
</tbody>
</table>
**SECTION 10: STABILITY AND REACTIVITY**

**Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications

**Chemical Stability**
**Possibility of hazardous reactions:** No dangerous reactions known

**Conditions to avoid:** Heat, flames, sparks

**Incompatible materials:** Reacts with strong oxidizing agents

**Hazardous decomposition products:** none known

**Reactivity:** No further relevant information available

**SECTION 11: TOXICOLOGICAL**

**Information on toxicological effects:**

**Primary irritant effect:**
**On the skin:** May irritate the skin
**On the eye:** May irritate the eye

**Sensitization:** No sensitizing effects known

**Additional toxicological information:** Due to the form of this product, exposure to the potentially carcinogenic components is not expected

**Skin:** Avoid contact with skin.
**Eye:** Avoid contact with eye.
**Ingestion:** Do not eat or put in mouth

**Carcinogenic categories**
**IARC (International Agency for Research on Cancer)**
13463-67-7 Titanium dioxide
14808-60-7 Quartz (SiO2)
**NTP (National Toxicology Program)**
14808-60-7 Quartz (SiO2)
**OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed

(5 of 8)
SECTION 12: ECOLOGICAL

Toxicity:
Aquatic toxicity: No further relevant information available
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: Do not allow product to reach ground water, water course or sewage system
Results of PBT and vPvB assessment:
PBT: N/A
vPvB: N/A
Other adverse effects: No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods:
Recommendation:
Small amounts can be disposed of with household waste after the product has cured or skinned over. Larger quantities should be disposed of in accordance with state and local regulation.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

UN-Number
DOT, ADR, ADN, IMDG ,IATA Not regulated

UN Proper Shipping Name
DOT, ADR, AND, IMDG, IATA Not regulated

Transport Hazard Classes
DOT, ADR, AND, IMDG, IATA Not regulated

Packaging group
DOT, ADR, IMDG, IATA Not regulated

Enviromental Hazards: N/A

Transport/additional information: This product is not classified as a Division 4.1 Flammable Solids according to UN Test N.1 for Readily Combustible Solids

UN “ Model regulation”: Not regulated
SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara:
Section 355 (extremely hazardous substances): None of the ingredients is listed
Section 313 (specific toxic chemical listings): None of the ingredients is listed
TSCA (Toxic Substance Control Act): All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements

Proposition 65
Chemicals known to cause cancer: 13463-67-7 titanium dioxide
Chemicals known to cause reproductive toxicity: None of the ingredients is listed
Chemicals known to cause developmental toxicity: None of the ingredients is listed

(DSL) Canada Domestic Substance List: All components of this product are on the DSL or are exempt from DSL requirements

New Jersey Right-to-Know List:
1332-58-7 Kaolin
1317-65-3 Limestone
546-93-0 Magnesite
13463-67-7 Titanium dioxide
1305-78-8 Calcium oxide
14808-60-7 Quartz (SiO2)

New Jersey Special Hazardous Substance List:
1305-78-8 Calcium oxide CO, RI
14808-60-7 Quartz (SiO2) CA

Pennsylvania Right-to-Know List:
1332-58-7 Kaolin
1317-65-3 Limestone
13463-67-7 Titanium dioxide
1305-78-8 Calcium oxide
14808-60-7 Quartz (SiO2)

Pennsylvania Special Hazardous Substance List:
None of the ingredients is listed

Cancerogenity categories:

EPA (Environmental Protection Agency)
None of the ingredients is listed

TLV (Threshold Limit Value established by ACGIH)
1332-58-7 Kaolin
13463-67-7 Titanium dioxide
14808-60-7 Quartz (SiO2)

NIOSH-Ca (National Institute for Occupational Safety and Health)
13463-67-7 Titanium dioxide
14808-60-7 Quartz (SiO2)

National regulations:
Water hazard class: Not determined
Chemical safety assessment: A chemical safety assessment has not been carried out.
SECTION 16: OTHER INFORMATION INCLUDING DATE OF PREPARATION OR LAST REVISION

MSDS Summary: 09/01/16 Original Issue

Although the information and recommendations set forth in the Safety Data Sheet are presented in good faith and are believed to be correct as of the date of the SDS, WIRE-BOND makes no representation as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will WIRE-BOND or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on information set forth in the SDS.

Abbreviations and acronyms:
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
DOT: Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association- USA
HMIS: Hazardous Materials Identification System
LD50: Lethal dose-50 percent
PBT: Persistent Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety and Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
LC50: Lethal Concentration, 50 percent
Skin Irrit. 2: Skin Corrosion/irritation- Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation- Category 2A