



**PRODUCT NAME** : Belzona® 1311 (Ceramic R-Metal) Base  
**PRODUCT NUMBER** : 1004/1032  
**N.ap means Not Applicable**

**PAGE 2 OF 4**  
**DATE PREPARED** : 21 October 1997  
**NIA means No Information Available**

OSHA FLAMMABILITY CLASS : N.ap  
FLAMMABILITY INDEX (NFPA) : 1 Slight  
REACTIVITY INDEX (NFPA) : 1 Slight  
HEALTH HAZARD (NFPA) : 2 Moderate  
EXTINGUISHING MEDIA : Water fog (not a direct stream of water), foam, carbon dioxide, dry chemical.

#### SPECIAL FIRE FIGHTING PROCEDURES

Wear protective clothing and use self-contained breathing apparatus. Full bunker gear should be worn in extreme cases. Use sand to contain burning material.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

Decomposition and combustion products may be hazardous.

### SECTION V - HEALTH HAZARDS

ROUTE(S) OF ENTRY : Skin contact, skin absorption, eye contact.  
PRIME HAZARD(S) : Skin sensitizer and skin irritation.

#### EFFECTS OF EXPOSURE

Acute : Skin and eye irritation  
Chronic : Irritation, sensitization and dermatitis

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation : If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If recovery is delayed or there are signs of distress obtain medical attention immediately.

Eye contact : Flush eyes with water for 15 minutes. Seek medical advice if any irritation persists.

Skin contact : Immediately remove excess with a clean cloth and wash skin thoroughly with soap and water. If irritation or inflammation persists, seek medical advice.

Ingestion : If swallowed, do not induce vomiting. Rinse mouth with water and drink plenty of water. Call TAMPA BAY Regional Poison Center (Tel.No.1-800-282-3171) and/or seek medical advice.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Skin and eye conditions.

### SECTION VI - REACTIVITY DATA

STABILITY : Stable  
STABILITY CONDITIONS TO AVOID : N.ap

#### INCOMPATIBILITY ( MATERIALS TO AVOID CONTACT WITH )

Strong oxidizing agents, acids, bases and amines.

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#### HAZARDOUS DECOMPOSITION PRODUCTS

Gaseous combinations of carbon, hydrogen and oxygen may occur at elevated temperatures.

#### HAZARDOUS POLYMERIZATION

Hazardous polymerization will not occur when stored and used as directed.

#### POLYMERIZATION CONDITIONS TO AVOID

N.ap

### SECTION VII - SPILL AND LEAK PROCEDURES

#### SPILLAGE

Absorb with an inert material (e.g. earth or sand). Sweep up, place into suitable labelled containers, seal and dispose of properly. Flush area with detergent and water.

#### WASTE DISPOSAL METHODS

Dispose of in accordance with Local, State and Federal Regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

#### PERSONAL PROTECTIVE MEASURES

**RESPIRATORY** : In confined areas or where good natural/mechanical ventilation is not available an appropriate NIOSH or MSHA approved respirator should be worn.

**SKIN** : Impermeable gloves, such as Neoprene, Nitrile or PVC. Wash hands with soap and water and use hand cream. Suitable protective clothing to minimize skin contact. Remove contaminated clothing and wash before reuse.

**EYE** : Safety glasses or goggles. Eyewash station.

#### MECHANICAL PROTECTIVE MEASURES

**VENTILATION** : Where adequate natural ventilation is not available provide suitable local exhaust ventilation.

#### OTHER PROTECTIVE EQUIPMENT

: Where there is a risk of contamination of footwear, safety boots should be worn and cleaned thoroughly before reuse.

#### OTHER COMMENTS

: Where machining or abrading of cured material leads to the production of respirable and/or nuisance dust, an appropriate NIOSH or MSHA approved respirator should be worn.

### SECTION IX - SAFE HANDLING AND STORAGE

#### HANDLING AND STORAGE PRECAUTIONS

##### HANDLING

Avoid contact with skin and eyes.

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#### STORAGE

Overheating may cause containers to rupture. Containers should be stored under cool, dry conditions. Empty containers will retain residue and may be dangerous. Check all containers for leaks at regular intervals and before use.

#### HYGIENE PRACTICES

When using, do not eat, drink or smoke. Remove contaminated clothing and launder before reuse. Wash hands with soap and water after handling this product.

### **SECTION X - REGULATORY INFORMATION**

#### SARA TITLE III - NOTIFICATION OF TOXIC CHEMICALS

None of the constituents of this product are subject to reporting requirements under section 313 of the Superfund Amendment and Reauthorization Act of 1986 (40 CFR Part 372).

#### **DISCLAIMER**

To the best of our knowledge, the information contained herein is accurate. However, some of the information presented and conclusions drawn are derived from sources other than direct test data on the product itself and while Belzona Inc. believe such sources to be reliable, the information is provided without any warranty regarding its correctness.

Since Belzona Inc. has no control over the conditions under which the product will be used, liability will not be assumed to exceed replacement or refund of the purchase price of this product. Except as stated herein, there are no express or implied warranties including implied warranties of merchantability or fitness for a particular purpose. Belzona Inc. assumes no liability for injury or incidental or consequential damage arising out of the storage, handling, use or disposal of this product.



**PRODUCT NAME** : Belzona® 1311 (Ceramic R-Metal) Solidifier  
**PRODUCT NUMBER** : 1101/0948  
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OSHA FLAMMABILITY CLASS : N.ap  
FLAMMABILITY INDEX (NFPA) : 1 Slight  
REACTIVITY INDEX (NFPA) : 1 Slight  
HEALTH HAZARD (NFPA) : 3 Serious  
EXTINGUISHING MEDIA : Water fog (not a direct stream of water), foam, carbon dioxide, dry chemical.

#### SPECIAL FIRE FIGHTING PROCEDURES

Wear protective clothing and use self-contained breathing apparatus. Full bunker gear should be worn in extreme cases. Use sand to contain burning material.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

Decomposition and combustion products may be hazardous.

### SECTION V - HEALTH HAZARDS

ROUTE(S) OF ENTRY : Skin contact, skin absorption, eye contact.  
PRIME HAZARD(S) : Corrosive.

#### EFFECTS OF EXPOSURE

Acute : Causes burns to skin and eyes.  
Chronic : Chemical burns and sensitization.

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation : If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If recovery is delayed or there are signs of distress obtain medical attention immediately.

Eye contact : Flush eyes with water for 15 minutes. Immediate first aid is necessary to prevent eye damage. Seek medical advice if any irritation persists.

Skin contact : Immediately remove excess with a clean cloth and wash skin thoroughly with soap and water. If irritation or inflammation persists, seek medical advice.

Ingestion : If swallowed, do not induce vomiting. Rinse mouth with water and drink 1 cup of water every 10 minutes for 30 minutes. Call TAMPA BAY Regional Poison Center (Tel.No.1-800-282-3171) and/or seek medical advice.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Skin and eye conditions.

### SECTION VI - REACTIVITY DATA

STABILITY : Stable  
STABILITY CONDITIONS TO AVOID : N.ap

#### INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH)

Strong oxidizing agents, acids, epoxy resins and isocyanates, under uncontrolled conditions.

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**HAZARDOUS DECOMPOSITION PRODUCTS**

Gaseous combinations of carbon, hydrogen, nitrogen and oxygen may occur at elevated temperatures.

**HAZARDOUS POLYMERIZATION**

Hazardous polymerization will not occur when stored and used as directed.

**POLYMERIZATION CONDITIONS TO AVOID**

N.ap

**SECTION VII - SPILL AND LEAK PROCEDURES**

**SPILLAGE**

Absorb with an inert material (e.g. earth or sand). Sweep up, place into suitable labelled containers, seal and dispose of properly. Flush area with detergent and water.

**WASTE DISPOSAL METHODS**

Dispose of in accordance with Local, State and Federal Regulations.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

**PERSONAL PROTECTIVE MEASURES**

**RESPIRATORY** : In confined areas or where good natural/mechanical ventilation is not available, leading to a risk of exceeding the TLV's indicated, an appropriate NIOSH or MSHA approved respirator should be worn.

**SKIN** : Impermeable gloves, such as Neoprene, Nitrile or PVC. Wash hands with soap and water and use hand cream. Suitable protective clothing to minimize skin contact. Remove contaminated clothing and wash before reuse.

**EYE** : Safety glasses or goggles. Eyewash station.

**MECHANICAL PROTECTIVE MEASURES**

**VENTILATION** : Where adequate natural ventilation is not available provide suitable local exhaust ventilation.

**OTHER PROTECTIVE EQUIPMENT**

: Where there is a risk of contamination of footwear, safety boots should be worn and cleaned thoroughly before reuse.

**OTHER COMMENTS**

: Where machining or abrading of cured material leads to the production of respirable and/or nuisance dust, an appropriate NIOSH or MSHA approved respirator should be worn.

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## SECTION IX - SAFE HANDLING AND STORAGE

### HANDLING AND STORAGE PRECAUTIONS

#### HANDLING

Avoid breathing vapors and contact with skin and eyes.

#### STORAGE

Overheating may cause containers to rupture. Containers should be stored under cool, dry conditions. Empty containers will retain residue and may be dangerous. Check all containers for leaks at regular intervals and before use.

#### HYGIENE PRACTICES

When using, do not eat, drink or smoke. Remove contaminated clothing and launder before reuse. Wash hands with soap and water after handling this product.

## SECTION X - REGULATORY INFORMATION

### SARA TITLE III - NOTIFICATION OF TOXIC CHEMICALS

Phenol, CAS Number 108-95-2, a constituent of this product at 1.7% by weight, is subject to reporting requirements under section 313 of the Superfund Amendment and Reauthorization Act of 1986 (40 CFR Part 372).

### DISCLAIMER

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