



**PURfect WELD Part A (5, 15, 25)**

**Safety Data Sheet**

**Date: Oct-2015**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** PURfect WELD Part A (5, 15, 25)  
**Product Use:** Flexible Sealant / Adhesive

*\*The "Recommended Uses" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.*

**Manufacturer Information**

InnoStar Solutions, Inc.  
3561 Homestead Rd  
Santa Clara, CA 95051

**Emergency Contact**

CHEMTREC  
1-800-424-9300

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS #	Weight %
Proprietary Polymers	Proprietary	< 55
Calcium Carbonate	1317-65-3	< 25
2,4,6-Tris[(dimethylamino)methyl]phenol*	90-72-2	< 7
Organosilicon Compounds	Mixture	< 5
Thixotropic Agent	Proprietary	< 5
Titanium Dioxide	13463-67-7	< 1

\*2,4,6-Tris[(dimethylamino)methyl]phenol is a corrosive liquid.  
See section 15 for OSHA regulatory status.

**3. HAZARDS IDENTIFICATION**

**Emergency Overview**

Off white solid with a slight ammonia like odor. Warning! Causes eye, skin, and respiratory tract irritation. May cause eye or skin burns. In cause of fire, use extinguishing media suitable for the material that is burning.

**Potential Health Effects**

**Primary Route(s) of Entry**

Inhalation; eye and skin contact.

**Symptoms of Exposure**

**Inhalation:** Vapors are irritating. Vapor may cause delayed lung injury and chemical pneumonia.

Eye Contact: Causes severe irritation. May cause chemical burns and possible permanent injury.

Skin Contact: Causes severe irritation. May cause chemical burns.

Ingestion: Can cause gastrointestinal tract irritation, nausea, vomiting, diarrhea, and possible burns to mucous membranes.

**Medical Conditions Aggravated by Exposure**

Not Known.

**Not listed as carcinogen or potential carcinogen by the OSHA, National Toxicology Program (NTP) or the International Agency for Research on Cancer (IARC).**

**4. FIRST AID MEASURES**

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- Eye Contact:** Immediately rinse eyes with water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Remove any contact lenses after the first 5 minutes and then continue flushing eyes. Get immediate medical attention. Continue flushing eyes with running water for at least 15 minutes.
- Inhalation:** Remove from area to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag-mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and, if available, give supplemental oxygen.
- Ingestion:** Give 3-4 glasses of water, but DO NOT induce vomiting. If vomiting occurs, give fluids again. Have physician determine if patient's condition allows induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.
- Skin:** Wash affected areas with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before reuse. Get medical attention.
- Note to Physician:** The primary hazard is due to the corrosive effects of Tris[[dimethylamino)methyl]phenol.

**5. FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media:**

Use media suitable for the material that is burning.

**Special Fire Fighting Measures:**

Move material from fire area if it can be done without risk.

**Protective Equipment and Precautions for Firefighters:**

As in any fire, wear NIOSH approved, positive-pressure self-contained breathing apparatus and full protective gear.

**Flash Point and Method**

N/A

**6. ACCIDENTAL RELEASE MEASURES**

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Wear appropriate protective equipment (See Section 8). Do not get in eyes, on skin or in clothing. Wash thoroughly after handling. Collect and place in a container for disposal.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling:

Avoid contact with skin and eyes. Wear personal protective clothing and equipment, see Section 8. Wash thoroughly after handling.

### Conditions for Safe Storage, Including any Incompatibilities:

Keep container tightly closed. Keep from contact with Part B.

## 8. EXPOSURE CONTROLS /PERSONAL PROTECTION

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Chemical Name	ACGIH	OSHA PEL
Calcium Carbonate*	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup>
Crystalline Silica	TWA: .1 mg/m <sup>3</sup>	
Carbon Black*	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>
Silica, Crystalline Quartz (respirable)		TWA: 250 mppcfa %SiO <sub>2</sub> + 5 STEL: 10 mg/m <sup>3</sup> %SiO <sub>2</sub> + 2
Silica, Quartz (total dust)		STEL: 30 mg/m <sup>3</sup> %SiO <sub>2</sub> + 2

\*Exposure limits are provided for information only. This chemical is not in a respirable form in this product.

### Engineering Controls:

General dilution ventilation system.

### Individual Protection Measures, Such as Personal Protective Equipment

#### Eye/Face Protection:

Wear vented safety goggles or safety glasses.

#### Clothing Protection:

Wear clothing that will protect the skin from exposure to this chemical.

#### Respiratory Protection:

Use NIOSH approved equipment only. For exposure above the exposure limit, use a respirator that has been selected by an industrial hygienist or other technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respiratory program (29 CFR1910.134).

#### Glove Recommendations:

Butyl or EVAL-Laminate

#### Other:

Eyewash.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>State:</b>	<i>Solid</i>	<b>Color:</b>	<i>Black/Gray</i>
<b>Odor:</b>	<i>None</i>	<b>pH:</b>	<i>N/A</i>
<b>Vapor Pressure:</b>	<i>N/D</i>	<b>Specific Gravity:</b>	<i>~1.43-1.45</i>
<b>VOC Content:</b>	<i>~&gt;1% by weight</i>	<b>Water Solubility:</b>	<i>Insoluble</i>

## 10. STABILITY AND REACTIVITY

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**Reactivity:** Stable.

**Conditions to Avoid:** High Temperatures.

**Incompatible Materials:** Acids, strong oxidizing agents, strong Lewis or mineral acids and strong mineral organic bases, especially primary and secondary amines. Reaction with some curing agents can generate considerable heat.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, aldehydes, acids.

## 11. TOXICOLOGICAL INFORMATION

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### Component Carcinogenicity:

Chemical Name	ACGIH	IARC	DFG
Carbon Black		Group 2B (Possibly carcinogenic to humans)	

**For Product:**  
Not established.

### For diglycidyl ether of bis-phenol A:

Diglycidyl ether of bis-phenol A is a component of the epoxy resins in this product. Recent 2-year bioassays in rats and mice exposed by the dermal route to this chemical showed no evidence of carcinogenicity to the skin or any other organs. These studies clarify prior equivocal results from a 2-year mouse skin painting study, which were suggestive, but not conclusive, for weak carcinogenic activity. The International Agency for Research on Cancer (IARC) concluded that diglycidyl ether of bis-phenol A is not classifiable as a carcinogen (IARC Group 3)

### For crystalline silica:

This product contains small amounts of crystalline silica. The National Toxicology Program (NTP) has determined that respirable crystalline silica may reasonably be anticipated to be a carcinogen, based upon animal studies. The international Agency for Research on cancer (IARC) classified crystalline silica inhaled in the form of quartz cristobalite from occupational sources as group 1 – carcinogenic to humans. This assignment was based on a relatively large number of epidemiological studies that provided sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica.

## 12. ECOLOGICAL INFORMATION

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None Available.

### 13. DISPOSAL CONSIDERATIONS

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**RCRA Waste Code:**

Not regulated

Observe all applicable federal, state, and local regulations.

### 14. TRANSPORT INFORMATION

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**US DOT Information:**

Not regulated as a hazardous material.

**TDG Information:**

Not regulated as dangerous goods.

### 15. REGULATORY INFORMATION

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**OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Hazardous

**CERCLA/Superfund (40 CFR 117, 302)**

N/A

**SARA Extremely Hazardous Substances (40 CFR 355)**

N/A

**SARA Hazardous Categories (40 CFR 370)**

Acute

**SARA Toxic Chemicals (40 CFR 372)**

N/A

**Workplace Hazardous Materials Information System (CPR Section (33))**

This product has been classified according to the hazard criteria of the Controlled Products Regulations, and the MSDS contains all required information.

Controlled Product; Classification: D2B

**Inventory Status**

The ingredients of this chemical are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.

**Toxic Substances Control Act**

No specific regulations apply.

**State Regulations**

**California Proposition 65**

Warning. This product contains traces of crystalline silica and traces of phenyl glycidyl ether and epichlorohydrin, chemicals known to the State of California to cause cancer.

**Florida Hazardous Substance List:**

Crystalline Silica

**Massachusetts Right to Know List:**

Carbon Black, Crystalline Silica

**Minnesota Hazardous Substance List:**

Carbon Black, Crystalline Silica

**New Jersey Right to Know List:**

Carbon Black (SN 0342), Crystalline Silica

**Pennsylvania Right to Know List:**

Carbon Black, Crystalline Silica

**Rhode Island Hazardous Substance List:**

Carbon Black, Crystalline Silica

## 16. OTHER INFORMATION

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### Abbreviations:

**C:** Ceiling limit

**LC<sub>10</sub>:** The lowest concentration of a substance in air that will kill a test animal within a certain exposure period.

**LC<sub>50</sub>:** The concentration of a substance in air that will kill 50% of test animals within a certain exposure period.

**LD<sub>50</sub>:** The dose that causes death in 50% of test animals.

**NAERG:** North American Emergency Response Guidebook

**RQ:** Reportable quantity

**TPQ:** Threshold planning quantity

**Version:** PW-SDS-002

**Issue Date:** Oct-2015

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