



# GHS SAFETY DATA SHEET

## WELD-ON® SS220-B™ (Gray) Structural Adhesive Activator

Date Revised: DEC 2009

Supersedes: DEC 2003

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** WELD-ON® SS220-B™ (Gray) Structural Adhesive Activator

**PRODUCT USE:** Component "B" of a 2-Component Adhesive for Thermoset Composites, Plastics and other substrates

**SUPPLIER:**

**MANUFACTURER:** IPS Corporation  
600 Ellis Road, Durham, NC 27703 - USA  
P.O. Box 12729, Research Triangle Park, NC 27709 - USA  
Tel. 1-919-598-2400

**EMERGENCY:** Transportation: Tel. 800.424.9300, 703.527.3887 CHEMTREC (International) Medical: Tel. 800.451.8346, 760.602.8703 3E Company (International)

### SECTION 2 - HAZARDS IDENTIFICATION

#### GHS CLASSIFICATION:

Health		Environmental		Physical	
Acute Toxicity:	Category 5	Acute Toxicity:	None	Combustible Liquid:	Category 4
Skin Irritation:	None	Chronic Toxicity:	None		
Skin Sensitization:	None				
Eye:	Category 2B				

#### GHS LABEL:



OR



#### WHMIS CLASSIFICATION:

Not Regulated

Hazard Statements	Precautionary Statements
May cause irritation/allergic skin reaction	Do not breathe vapor Keep container closed Use in well-ventilated area

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS #	REACH	CONCENTRATION
			Pre-registration Number	% by Weight
Benzoyl Peroxide (BPO)*	94-36-0	202-327-6	05-2116297715-31-0000	<15%

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing. \*This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).

### SECTION 4 - FIRST AID MEASURES

- Contact with eyes:** Flush eyes immediately with plenty of water for 15 minutes. If irritation develops, seek medical advice.
- Skin contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice.
- Inhalation:** Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
- Ingestion:** Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

### SECTION 5 - FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Dry chemical powder, carbon dioxide gas, foam, Halon, water fog	<b>HMIS</b>	<b>NFPA</b>	0-Minimal
<b>Unsuitable Extinguishing Media:</b>	Water spray or stream	Health	1	1-Slight
<b>Exposure Hazards:</b>	Inhalation and skin contact	Flammability	1	2-Moderate
<b>Combustion Products:</b>	Oxides of carbon, oxides of nitrogen	Reactivity	1	3-Serious
<b>Protection for Firefighters:</b>	Self-contained breathing apparatus or full-face positive pressure air-supply masks			4-Severe

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Keep away from heat, sparks and open flame.  
Provide sufficient ventilation, or wear suitable respiratory protective equipment.  
Prevent contact with skin or eyes (see section 8).
- Environmental Precautions:** Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
- Methods for Cleaning up:** Clean up with sand or other inert absorbant material. Transfer to a suitable closable container

### SECTION 7 - HANDLING AND STORAGE

- Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing.  
Keep away from ignition sources, and ensure adequate ventilation/fume exhaust hoods.  
Do not eat, drink or smoke while handling.
- Storage:** Store in ventilated room or shade and away from direct sunlight and temperatures above 29°C (85°F). Keep container tightly closed when not in use.  
Keep away from ignition sources and incompatible materials. Follow all precautionary information on container label and product bulletins.

### SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL:
	Benzoyl Peroxide	5 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>	

- Engineering Controls:** Use local exhaust as needed.
- Monitoring:** Maintain breathing zone airborne concentrations below exposure limits.
- Personal Protective Equipment (PPE):**
- Eye Protection:** Avoid contact with eyes, wear splashproof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields,
- Skin Protection:** Prevent contact with the skin as much as possible. Nitrile or neoprene gloves should be used for frequent immersion.  
Use of latex/nitrile surgical gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.
- Respiratory Protection:** Use in a well-ventilated room. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed above. With normal use, the Exposure Limit Value will not usually be reached.  
When limits approached, use respiratory protection equipment.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Gray, viscous liquid	<b>Active Oxygen Content:</b>	<1 %
<b>Odor:</b>	Mild	<b>Evaporation Rate:</b>	<1
<b>pH:</b>	Not Applicable	<b>Flammability:</b>	Category 4
<b>Boiling Point:</b>	Not Established	<b>Flammability Limits:</b>	LEL: Not Established UEL: Not Established
<b>Flash Point:</b>	84°C (184 °F) for BPO	<b>Vapor Pressure:</b>	Not Established
<b>Specific Gravity:</b>	1.350 @23°C (73 °F)	<b>Vapor Density:</b>	Not Established
<b>Solubility:</b>	Insoluble in Water	<b>VOC Content :</b>	None
<b>Auto-ignition Temperature:</b>	Not Established		
<b>Decomposition Temperature:</b>	110°C (230 °F)		

**SECTION 10 - STABILITY AND REACTIVITY**

**Stability:** Stable

**Hazardous decomposition products:** None in normal use. Oxides of carbon.

**Conditions to avoid:** Keep away from direct sunlight, heat, sparks, open flame and other ignition sources.

**Incompatible Materials:** Strong acids and alkalis, reducing agents and metal contaminants

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Inhalation, Eye and Skin Contact

**Acute symptoms and effects:**

**Inhalation:** May cause irritation of nose, throat and lungs

**Eye Contact:** May cause eye irritation

**Skin Contact:** Prolonged exposure may cause moderate skin irritation

**Ingestion:** May cause nausea, vomiting and diarrhea

**Chronic (long-term) effects:** None known to humans

**Toxicity:**

	<b>LD<sub>50</sub></b>	<b>LC<sub>50</sub></b>
Benzoyl Peroxide	Oral: 6400 mg/kg (rat)	Oral: 2 mg/l 96 hours (guppy)

<u>Reproductive Effects</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>	<u>Embryotoxicity</u>	<u>Sensitization to Product</u>	<u>Synergistic Products</u>
None	None	None	Not Established	None	Not Established

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:** Category 3

**Mobility:** Not Established

**Degradability:** Not Established

**BioAccumulation:** Not Established

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Follow local and national regulations. Consult local disposal expert.

**SECTION 14 - TRANSPORT INFORMATION**

**Proper Shipping Name:** Not Regulated

**Hazard Class:** Not Regulated as a hazardous material

**Secondary Risk:** None

**Identification Number:** None

**Packing Group:** Not Regulated

**Label Required:** Not Regulated

**Marine Pollutant:** NO

<b>TDG INFORMATION</b>	
<b>TDG CLASS:</b>	Not Regulated
<b>SHIPPING NAME:</b>	Not Regulated
<b>UN NUMBER/PACKING GROUP:</b>	Not Regulated

**SECTION 15 - REGULATORY INFORMATION**

**Precautionary Label Information:** Irritant

**Symbols:** Xi

**Risk Phrases:** R-36/37/38 Irritating to eyes, respiratory system and skin.

**Safety Phrases:** S-2/3 Keep in a cool place, out of reach of children. S-29 Do not empty into drains, storm drains or watercourses.  
S-7 Keep container tightly closed when not in use. S-37/39 Wear suitable gloves and eye protection.  
S-15/16 Keep away from heat and sources of ignition. No smoking. S-45 If seeking medical advice show physician label or SDS.  
S-24/25 Avoid contact with skin and eyes. S-51 Use only in well ventilated areas  
S-35 Dispose of material and container in a safe way.

**Ingredient Listings:** USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)

**SECTION 16 - OTHER INFORMATION**

**Specification Information:**

**Department issuing data sheet:** IPS, Safety Health & Environmental Affairs All ingredients are compliant with the requirements of the European  
**e-mail address:** <EHSinfo@ipscorp.com> Directive on RoHS (Restriction of Hazardous Substances).

**Training necessary:** Yes, training in practices and procedures contained in product literature.

**Reissue date / reason for reissue:** 12/08/09 Modified GHS Standard Format

**Intended Use of Product:** Structural adhesive bonding

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.