



# GHS SAFETY DATA SHEET

## WELD-ON® MP100-32™ Metal Primer

Date Revised: DEC 2009

Supersedes: FEB 2007

### SECTION I - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** WELD-ON® MP100-32 Metal Primer**PRODUCT USE:** Structural Adhesive Primer**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 | Flammable Liquid: | Category 2 |
| Skin Irritation:    | None        | Chronic Toxicity: | None |                   |            |
| Skin Sensitization: | None        |                   |      |                   |            |
| Eye:                | Category 2A |                   |      |                   |            |

**GHS LABEL:**

OR

**Signal Word:**  
Danger**WHMIS CLASSIFICATION:** CLASS B, DIVISION 2

#### Hazard Statements

H225: Highly flammable liquid and vapor

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

EUH 066: Repeated exposure may cause skin dryness or cracking.

#### Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P280: Wear protective gloves/protective clothing/eye protection/face protection

P337+P313: Get medical advice/attention

P403+P233: Store in a well ventilated place. Keep container tightly closed

P501: Dispose of contents/container in accordance with local regulation

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

|                   | CAS#    | EINECS #  | REACH                   | CONCENTRATION |
|-------------------|---------|-----------|-------------------------|---------------|
|                   |         |           | Pre-registration Number | % by Weight   |
| Isopropyl Alcohol | 67-63-0 | 200-667-7 | Under development       | 70 - 91       |

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.

\* Indicates 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, lifting lower and upper eyelids occasionally. Seek medical advice.
- Skin contact:** Immediately flush skin with plenty of water for at least 15 minutes. 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:** Give large amounts of water to drink. Seek medical advice immediately.

### SECTION 5 - FIREFIGHTING MEASURES

|  |  |              |      |           |
|--|--|--------------|------|-----------|
| <b>Suitable Extinguishing Media:</b>   | Water spray, dry chemical, alcohol foam, or carbon dioxide.                      | HMIS         | NFPA | 0-Minimal |
| <b>Unsuitable Extinguishing Media:</b> | Do not use water in a jet.   | Health       | 2    | 1         |
| <b>Exposure Hazards:</b>               | Inhalation and dermal contact  | Flammability | 3    | 3         |
| <b>Combustion Products:</b>            | Oxides of carbon and smoke   | Reactivity   | 0    | 0         |
| <b>Preparation for Firefighters:</b>   | Self-contained breathing apparatus or full-face positive pressure airline masks. |              |      | 3-Serious |
|  |  |              |      | 4-Severe  |

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Keep away from heat, sparks and open flame.  
Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment 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 absorbent material. Transfer to a closable steel vessel.
- Materials not to be used for clean up:** Do not use combustible materials, such as saw dust.

### SECTION 7 - HANDLING AND STORAGE

- Handling:** Avoid breathing of vapor, avoid contact with eyes, skin and clothing.  
Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.  
Do not eat, drink or smoke while handling.
- Storage:** Store in ventilated room.  
Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.  
Follow all precautionary information on container label, product bulletins and solvent cementing literature.

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

| EXPOSURE LIMITS: | Component         | ACGIH TLV | ACGIH STEL | OSHA PEL | OSHA STEL: |
|------------------|-------------------|-----------|------------|----------|------------|
|                  | Isopropyl Alcohol | 200 ppm   | 400 ppm    | 400 ppm  |            |

**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 splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure.**Skin Protection:** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.  
Neoprene and nitrile rubber are recommended materials.**Respiratory Protection:** Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. 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>                            | Orange, thin liquid   | <b>Odor Threshold:</b>        |  |
| <b>Odor:</b>                                  | Rubbing Alcohol   | <b>Evaporation Rate:</b>      | > 2.83 (BUAC = 1)                      |
| <b>P.H.</b>                                   | Not Applicable  | <b>Flammability:</b>          | Category I                             |
| <b>Boiling Point:</b>                         | 82.2°C (180 °F) Based on Isopropyl Alcohol  | <b>Flammability Limits:</b>   | <b>LEL:</b> 2.0 %<br><b>UEL:</b> 12.7% |
| <b>Flash Point:</b>                           | 12°C (54 °F) Based on Isopropyl Alcohol   | <b>Vapor Pressure:</b>        | 44 mm Hg @ 25C                         |
| <b>Specific Gravity</b>                       | 0.815 @23 °C ( 73 °F)   | <b>Vapor Density:</b>         | 2.07 Air = 1)                          |
| <b>Solubility:</b>                            | 90%   | <b>Other Data: Viscosity:</b> | Water-thin                             |
| <b>Partition Coefficient n-octanol/water:</b> |   |                               |  |
| <b>Auto-ignition Temperature:</b>             | 399 °C (750 °F): Isopropyl Alcohol  |                               |  |
| <b>Decomposition Temperature:</b>             | Not Applicable  |                               |  |
| <b>VOC Content :</b>                          | When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 790 |                               |  |

**SECTION 10 - STABILITY AND REACTIVITY**

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable  |
| <b>Hazardous decomposition products:</b> | None in normal use. When forced to burn, this product gives off oxides of carbon and smoke. |
| <b>Conditions to avoid:</b>              | Keep away from heat, sparks, open flame and other ignition sources.                         |
| <b>Incompatible Materials:</b>           | Oxidizers, strong acids and bases, amines, ammonia  |

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

**Acute symptoms and effects:**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.                       |
| <b>Eye Contact:</b>  | Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid. |
| <b>Skin Contact:</b> | Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.                            |
| <b>Ingestion:</b>    | May cause nausea, vomiting, diarrhea and mental sluggishness.   |

**Chronic (long-term) effects:** None known to humans**Toxicity:****LD50****LC50**

Isopropyl Alcohol

Oral: 5045 mg/kg (rat), Dermal: 12.8 gm/kg(rabbit)

Inhalation 8 hrs. 16,000 mg/m3 (rat)

| <u>Reproductive Effects</u> | <u>Teratogenicity</u> | <u>Mutagenicity</u> | <u>Embryotoxicity</u> | <u>Sensitization to Product</u> | <u>Synergistic Products</u> |
|-----------------------------|-----------------------|---------------------|-----------------------|---------------------------------|-----------------------------|
| Not Applicable              | Not Applicable        | Poss.               | Not Applicable        | Not Applicable                  | Not Available               |

**SECTION 12 - ECOLOGICAL INFORMATION**

|                         |   |
|-------------------------|---|
| <b>Ecotoxicity:</b>     | Category IV   |
| <b>Mobility:</b>        | In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of ≤ 790<br>Minimal other adverse effects include possible ground water contamination from release to soil, sewers, drains or water course. |
| <b>Degradability:</b>   | Biodegradable   |
| <b>Bioaccumulation:</b> | Minimal to none.  |

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Follow local and national regulations. Consult disposal expert. Can be disposed of by controlled incineration. May be reacted with component "B" and disposed of as trash. Excessive quantities should not be permitted to enter drains, sewers or water courses. Empty containers should be air dried before disposing.

**SECTION 14 - TRANSPORT INFORMATION****DOT, IATA, ADR, IMO/IMDG SHIPPING INFORMATION**

|                               |  |   |
|-------------------------------|--|---|
| <b>Proper Shipping Name:</b>  | Alcohols, n.o.s. (Isopropanol mixture) | <b>EXCEPTION</b> Case quantities of cement in containers of less than one liter may be shipped as LIMITED QUANTITY or CONSUMER COMMODITY, ORM-D |
| <b>Hazard Class:</b>          | 3                                      |   |
| <b>Secondary Risk</b>         | None                                   |   |
| <b>Identification Number:</b> | UN 1987                                |   |
| <b>Packing Group:</b>         | II                                     | <b>TDG INFORMATION</b>  |
| <b>Label Required:</b>        | Flammable Liquid                       | TDG CLASS: FLAMMABLE LIQUID 3   |
|                               |  | SHIPPING NAME: Alcohols, n.o.s. (Isopropanol mixture)   |
| <b>Marine Pollutant:</b>      | NO                                     | UN NUMBER: 1987, PG II  |

**SECTION 15 - REGULATORY INFORMATION**

|   |  |   |
|---|--|---|
| <b>Precautionary Label Information:</b> | Highly Flammable, Irritant   | Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia   |
| <b>Symbols:</b>                         | F, Xi  | AICS, Korea ECL/TCCL, Japan MITI (ENCS)   |
| <b>Risk Phrases:</b>                    | R-11 Highly Flammable<br>R-20 Harmful by inhalation<br>R-21 Harmful if contact with skin.<br>R-22 Harmful if swallowed.  | R-36/37/38 Irritating to eyes, respiratory system and skin.<br>R-41 Risk of serious damage to the eyes.<br>R-43 May cause sensitization by skin contact.  |
| <b>Safety Phrases:</b>                  | S-2 Keep out of reach of children.<br>S-7 Keep container tightly closed when not in use.<br>S-9 Keep container in a well-ventilated place.<br>S-15/16 Keep away from heat and sources of ignition. No smoking.<br>S-23 Do not breathe vapor. | S-24/25 Avoid contact with skin and eyes.<br>S-29 Do not empty into drains.<br>S-37 Wear suitable gloves.<br>S-45 If seeking medical advice show physician label or SDS.<br>S-46 Use only in well ventilated areas. |

**SECTION 16 - OTHER INFORMATION**

|   |  |   |
|---|--|---|
| <b>Specification Information:</b>         |  |   |
| <b>Department issuing data sheet:</b>     | IPS, Safety Health & Environmental Affairs                                 | All ingredients are compliant with the requirements of the European |
| <b>e-mail address:</b>                    | <EHSinfo@ipscorp.com>  | Directive on RoHS (Restriction of Hazardous Substances).            |
| <b>Training necessary:</b>                | Yes, training in practices and procedures contained in product literature. |   |
| <b>Reissue date / reason for reissue:</b> | 12/30/2009 Modified GHS Standard Format                                    |   |
| <b>Intended Use of Product:</b>           | Structural Adhesive Primer   |   |

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.