



## GHS SAFETY DATA SHEET

WELD-ON® 4 Solvent Cement for Bonding Acrylics

Date Revised: MAR 2020

Supersedes: DEC 2019

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** WELD-ON® 4 Solvent Cement for Acrylic

**PRODUCT USE:** Solvent Cement for Bonding Acrylics "FOR INDUSTRIAL USE ONLY, NOT FOR HOME, SCHOOL OR RECREATIONAL USE"

**Toxic Substance Control Act (TSCA) Restriction of Use:** Methylene chloride

*This chemical /product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.*

**SUPPLIER:**

**MANUFACTURER:**

IPS Corporation  
17109 South Main Street, Gardena, CA 90248-3127  
P.O. Box 379, Gardena, CA 90247-0379  
Tel. 1-310-898-3300

**EMERGENCY:** Transportation: CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)

**Medical:** CHEMTEL Tel. 800-255-3924, +1 813-248-0585 (International)

### SECTION 2 - HAZARDS IDENTIFICATION

**GHS CLASSIFICATION:**

| Health                                                                                                                                             | Environmental                                              | Physical   |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------|
| Acute Toxicity: Category 4<br>Skin Irritation: Category 2<br>Skin Sensitization: NO<br>Eye Irritation: Category 2A<br>Carcinogenicity: Category 1B | Acute Toxicity: Category 3<br>Chronic Toxicity: Category 3 | None Known |

**GHS LABEL:**



**Signal Word:** DANGER

| Hazard Statements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Precautionary Statements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H315: Causes skin irritation.<br>H317: May cause an allergic skin reaction.<br>H319: Causes serious eye irritation.<br>H335: May cause respiratory irritation.<br>H336: May cause drowsiness or dizziness.<br>H341: Suspected of causing genetic defects<br>H351: Suspected of causing cancer<br>H412: Harmful to aquatic life with long lasting effects.<br><br>P301+310: IF SWALLOWED: Immediately call a POISON CENTER/Medical Attention<br>P331: Do NOT induce vomiting.<br>P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. | P201: Obtain special instructions before use.<br>P202: Do not handle until all safety precautions have been read and understood.<br>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P273: Avoid release to the environment.<br>P281: Use personal protective equipment as required.<br>P391: Collect spillage.<br>P405: Store locked up.<br>P501: Dispose of contents/container in accordance with local regulations.<br><br><b>Response</b><br>P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+313: IF exposed or concerned: Get medical advice/attention. |

**Restrictions on Use (United States):** Methylene chloride: This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

|                                                 | CAS     | EINECS    | REACH<br>Registration Number | CONCENTRATION<br>% by Weight |
|-------------------------------------------------|---------|-----------|------------------------------|------------------------------|
| Methylene Chloride * # (dichloromethane)        | 75-09-2 | 200-838-9 | 01-2119480404-41-0000        | 30 - 60                      |
| Trichloroethylene * #                           | 79-01-6 | 201-167-4 | 01-2119490731-36-0000        | 40 - 60                      |
| Methyl Methacrylate Monomer *, Stabilized (MMA) | 80-62-6 | 201-297-1 | 01-2119452498-28-0000        | 0 - 1                        |

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).

# Indicates that this chemical is found on Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity.

### SECTION 4 - FIRST AID MEASURES

|                           |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contact with eyes:</b> | Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.                                         |
| <b>Skin contact:</b>      | Wash skin with soap and water. If irritation develops, get medical attention                                                            |
| <b>Inhalation:</b>        | Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice. |
| <b>Ingestion:</b>         | Do not induce vomiting. Seek medical advice immediately.                                                                                |

### SECTION 5 - FIREFIGHTING MEASURES

|                                        |                                                                                                         |              |      |            |
|----------------------------------------|---------------------------------------------------------------------------------------------------------|--------------|------|------------|
| <b>Suitable Extinguishing Media:</b>   | Water fog or fine spray, carbon dioxide, dry chemical or foam.                                          | HMIS         | NFPA | 0-Minimal  |
| <b>Unsuitable Extinguishing Media:</b> | Dry chemical powder.                                                                                    | Health       | 2    | 1-Slight   |
| <b>Exposure Hazards:</b>               | Inhalation and dermal contact.                                                                          | Flammability | 0    | 2-Moderate |
| <b>Combustion Products:</b>            | Hydrogen chloride, trace amounts of chlorine, phosgene.                                                 | Reactivity   | 0    | 3-Serious  |
| <b>Protection for Firefighters:</b>    | Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing. |              |      | 4-Severe   |

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

|                                               |                                                                                                                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions:</b>                  | Clear all personnel from area. Do not breathe vapors. Ventilate area of leak or spill. Wear protective equipment positive pressure self contained or air supplied breathing apparatus. Follow confined space entry procedures. |
| <b>Environmental Precautions:</b>             | Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.                                                                                                                  |
| <b>Methods for Cleaning up:</b>               | Mop or soak up immediately. Place in properly labeled metal containers.                                                                                                                                                        |
| <b>Materials not to be used for clean up:</b> | Zinc, Aluminum or plastic containers                                                                                                                                                                                           |

### SECTION 7 - HANDLING AND STORAGE

|                  |                                                                                                                                                                                                                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Do not swallow. Use with adequate ventilation. Do not cut, drill, grind, weld or perform similar operations on or near empty containers. Vapors of this product are heavier than air and will collect in low areas. Do not eat, drink or smoke while handling. |
| <b>Storage:</b>  | Store in a dry place. Keep container tightly closed when not in use. Store below 80°F (27°C). Follow all precautionary information on container label, product bulletins and solvent bonding literature.                                                                                                                             |

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

| EXPOSURE LIMITS: | Component                   | ACGIH<br>8 hr-TLV | ACGIH<br>15 min-STEL | OSHA<br>8 hr-PEL | OSHA<br>15 Min-STEL | OSHA<br>PEL-Ceiling | CAL/OSHA<br>8 Hr-PEL | CAL/OSHA<br>Ceiling | CAL/OSHA<br>15 Min-STEL |
|------------------|-----------------------------|-------------------|----------------------|------------------|---------------------|---------------------|----------------------|---------------------|-------------------------|
|                  | Methylene Chloride          | 50 ppm            | N/E                  | 25 ppm           | 125 ppm             | N/E                 | N/E                  | N/E                 | N/E                     |
|                  | Trichloroethylene           | 50 ppm            | 100 ppm              | 100 ppm          | N/E                 | 200 ppm             | 25 ppm               | 300 ppm             | 100 ppm                 |
|                  | Methyl Methacrylate Monomer | 50 ppm            | 100 ppm              | 100 ppm          | N/E                 | N/E                 | 50 ppm               | 100 ppm             | N/E                     |

**Engineering Controls:** Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Lethal concentrations may exist in areas with poor ventilation

**Monitoring:** Maintain breathing zone airborne concentrations below exposure limits.

**Personal Protective Equipment (PPE):**

**Eye Protection:** Use chemical goggles. If exposure causes eye discomfort, use a full-face respirator.

**Skin Protection:** Prevent contact with the skin as much as possible. Use protective clothing chemically resistant to this material. Remove contaminated clothing immediately, wash skin area with soap and water and launder clothing before reuse or dispose of properly.

**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.



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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                                        |                                                                           |                      |                                     |
|----------------------------------------|---------------------------------------------------------------------------|----------------------|-------------------------------------|
| Appearance:                            | Clear, thin liquid                                                        | Odor Threshold:      | 250 ppm (Methylene Chloride)        |
| Odor:                                  | Irritating                                                                |                      |                                     |
| pH:                                    | Not Applicable                                                            |                      |                                     |
| Melting/Freezing Point:                | -96.7°C (-142.1°F) (Methylene Chloride)                                   | Evaporation Rate:    | > 1.0 (BUAC = 1)                    |
| Boiling Point:                         | 39.8°C (104°F) Based on first boiling component: Methylene Chloride       | Flammability:        | None                                |
| Flash Point:                           | None (Methylene Chloride)                                                 | Flammability Limits: | LEL: 14% (Methylene Chloride)       |
| Specific Gravity:                      | 1.375 @23°C (73.4°F)                                                      |                      | UEL: 22% (Methylene Chloride)       |
| Solubility:                            | 1.3% @ 25°C (Methylene Chloride)                                          | Vapor Pressure:      | 355 mmHG @ 20C (Methylene Chloride) |
| Partition Coefficient n-octanol/water: | Not Available                                                             | Vapor Density:       | >2.0 (Air = 1)                      |
| Auto-ignition Temperature:             | 556°C (1033°F) (Methylene Chloride)                                       |                      |                                     |
| Decomposition Temperature:             | Not Applicable                                                            |                      |                                     |
| VOC Content:                           | When applied as directed, per SCAQMD Rule 1168, VOC content is: <250 g/l. |                      |                                     |

## SECTION 10 - STABILITY AND REACTIVITY

|                                   |                                                                                                                |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Stability:                        | Stable under recommended storage conditions. (See Section 7)                                                   |
| Hazardous decomposition products: | Depending on temperature and air supply, may include hydrogen chloride, trace amounts of chlorine, phosgene.   |
| Conditions to avoid:              | Avoid open flames, welding arcs, or other high temperature sources. Avoid direct sunlight.                     |
| Incompatible Materials:           | Oxidizers, strong bases, amines, metals such as zinc powders, aluminum or magnesium powders, potassium sodium. |

## SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

## Acute symptoms and effects:

|               |                                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation:   | Excessive overexposure may cause irritation to nose and throat. In confined areas, vapor can accumulate and can cause unconsciousness.             |
| Eye Contact:  | May cause moderate eye irritation which may be slow to heal. May cause slight corneal injury. Vapor may cause mild discomfort and redness.         |
| Skin Contact: | Prolonged contact may cause skin burns. May cause more severe response on covered skin (under clothing and gloves).                                |
| Ingestion:    | Low toxicity if small amount swallowed, however larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting. |

Chronic (long-term) effects: IARC Classification 2B (Methylene Chloride)

| Toxicity:                                     | LD <sub>50</sub>                                      | LC <sub>50</sub>                   | Target Organs |
|-----------------------------------------------|-------------------------------------------------------|------------------------------------|---------------|
| Methylene Chloride (dichloromethane)          | Oral: 1500- 2500 mg/kg (rat) , Dermal: Not Determined | Inhalation 7 hrs. >10000 PPM (rat) | STOT SE3      |
| Trichloroethylene                             | Oral: 5650 mg/kg (rat)                                | Inhalation 4 hrs. 12000 PPM (rat)  | STOT SE3      |
| Methyl Methacrylate Monomer, Stabilized (MMA) | Oral: 7900 mg/kg (rat), Dermal: >35000 mg/kg (rabbit) | Inhalation: 3 hrs. 7093 PPM (rat)  | STOT SE3      |

| Reproductive Effects | Teratogenicity  | Mutagenicity | Embryotoxicity  | Sensitization to Product | Synergistic Products |
|----------------------|-----------------|--------------|-----------------|--------------------------|----------------------|
| Not Established      | Not Established | Category 2   | Not Established | Not Established          | Not Established      |

**Methylene Chloride:** Suspected Human Carcinogen IARC: 2B - Group 2B: Possibly carcinogenic to humans  
NTP: Reasonably anticipated to be a human carcinogen  
OSHA: Specifically regulated carcinogen

**Trichloroethylene:** Possible Human Carcinogen IARC: 1 - Group 1: Carcinogenic to Humans  
NTP: Reasonably anticipated to be a human carcinogen

## SECTION 12 - ECOLOGICAL INFORMATION

| Ecotoxicity: <i>Trichloroethylene (TCE)</i> | Species                                           | Test Results    |
|---------------------------------------------|---------------------------------------------------|-----------------|
| Toxicity to fish                            | LC50-Pimephales promelas (fathead minnow)         | 41 mg/l - 96 h  |
| Toxicity to daphnia                         | EC50 WaterFlea (Daphnia magna)                    | 18 mg/l - 48 h  |
| Toxicity to algae                           | EC50 - P. subcapitata (green algae)               | 175 mg/l - 96 h |
| Mobility:                                   | No Data Available                                 |                 |
| Degradability:                              | No Data Available                                 |                 |
| Bioaccumulation:                            | Does Not Bioaccumulate                            |                 |
| Other:                                      | Harmful to aquatic life with long lasting effects |                 |

## SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your supplier or a licensed contractor for detailed recommendations.  
Do not re-use empty containers.

## SECTION 14 - TRANSPORT INFORMATION

|                        |                                        |
|------------------------|----------------------------------------|
| Proper Shipping Name:  | Dichloromethane (Mixture)              |
| Hazard Class:          | 6.1                                    |
| Secondary Risk:        | None                                   |
| Identification Number: | UN 1593                                |
| Packing Group:         | PG III                                 |
| Label Required:        | Toxic (Domestic USA and International) |
| Marine Pollutant:      | NO                                     |

## EXCEPTION for Ground Shipping

DOT Limited Quantity: Up to 4L per inner packaging, 30 kg gross weight per package.

Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as "ORM-D".

## TDG INFORMATION

|                          |                           |
|--------------------------|---------------------------|
| TDG CLASS:               | Toxic 6.1                 |
| SHIPPING NAME:           | Dichloromethane (Mixture) |
| UN NUMBER/PACKING GROUP: | UN 1593, PG III           |

## SECTION 15 - REGULATORY INFORMATION

|                       |                             |                      |                                                                                                     |
|-----------------------|-----------------------------|----------------------|-----------------------------------------------------------------------------------------------------|
| Proper Shipping Name: | Toxic, Suspected Carcinogen | Ingredient Listings: | USA TSCA, Europe EINECS, Canada DSL, Australia, AICS, Korea ECL/TCCL, Japan MITI (ENCS), CA Prop 65 |
| Symbols:              | Toxic                       |                      |                                                                                                     |

**Compliance Statement:** This SDS was prepared to be in accordance with:  
US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012)  
European Regulation (EC) No (EU) 2015/830 on classification, labelling and packaging of substances and mixtures

## Toxic Substance Control Act (TSCA) Restriction of Use: Methylene chloride

This chemical /product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

## OSHA SPECIFICALLY REGULATED SUBSTANCES:

OSHA 29 CFR 1910.1052 (Methylene chloride); The U.S. Department of Labor, Occupational Safety and Health Administration specifically regulates manufacturing, handling and processing of Methylene chloride. Such regulations have been published at 29 CFR 1910.1052

Written notification is required to the EPA once annually when this product is exported to a new country.

## SECTION 15 - REGULATORY INFORMATION

## Precautionary Label Information:

|                                    |                                                                                                         |                                                                                                                              |
|------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Department issuing data sheet:     | IPS, Safety Health & Environmental Affairs                                                              | All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances). |
| E-mail address:                    | <EHSinfo@ipscorp.com>                                                                                   |                                                                                                                              |
| Training necessary:                | Yes, training in practices and procedures contained in product literature.                              |                                                                                                                              |
| Reissue date / reason for reissue: | 3/3/2020 / Updated GHS Standard Format                                                                  |                                                                                                                              |
| Intended Use of Product:           | Solvent Cement for Bonding Acrylics "FOR INDUSTRIAL USE ONLY, NOT FOR HOME, SCHOOL OR RECREATIONAL USE" |                                                                                                                              |

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.