GHS SAFETY DATA SHEET

WELD-ON® 16 Solvent Cement for Bonding Acrylics

Date Revised: **MAR 2020**
Supersedes: **OCT 2019**

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **WELD-ON® 16 Solvent Cement for Bonding Acrylics**

PRODUCT USE: Solvent Cement for Bonding Acrylics

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	Acute Toxicity:	None Known	Flammable Liquid	Category 2
Skin Irritation:	Category 3	Chronic Toxicity:	None Known		
Skin Sensitization:	NO				
Eye:	Category 2				

GHS LABEL:

Signal Word: **Warning**

Hazard Statements		Precautionary Statements
H225: Highly flammable liquid and vapour		P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
H319: Causes serious eye irritation	H336: May cause drowsiness or dizziness	P261: Avoid breathing dust/fume/gas/mist/vapors/spray
H315: Causes skin irritation	H351: Suspected of causing cancer	P280: Wear protective gloves/protective clothing/eye protection/face protection
H317: May cause an allergic skin reaction		P337+P313: Get medical advice/attention
H335: May cause respiratory irritation		P403+P233: Store in a well ventilated place. Keep container tightly closed
EUH066: Repeated exposure may cause skin dryness or cracking		P501: Dispose of contents/container in accordance with local regulation

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 processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS	EINECS	REACH Registration Number	CONCENTRATION % by Weight
Methylene Chloride*# (Dichloromethane)	75-09-2	200-838-9	01-2119480404-41-0000	30 - 60
Methyl Acetate	79-20-9	201-185-2	01-2119459211-47-0000	10 - 15
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	10 - 30
Methyl Methacrylate Monomer*, Stabilized (MMA)	80-62-6	201-297-1	01-2119452498-28-0000	0 - 2

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

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

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog or fine spray, carbon dioxide, dry chemical or foam.
Unsuitable Extinguishing Media: Dry chemical powder.
Exposure Hazards: Inhalation and dermal contact.
Combustion Products: Hydrogen chloride, trace amounts of chlorine, phosgene.
Protection for Firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing.

	HMIS	NFPA
Health	2	2
Flammability	3	3
Reactivity	1	1

0-Minimal
1-Slight
2-Moderate
3-Serious
4-Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: 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.
Environmental Precautions: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course.
Methods for Cleaning up: Mop or soak up immediately. Place in properly labeled metal containers.
Materials not to be used for clean up: Zinc, Aluminum or plastic containers

SECTION 7 - HANDLING AND STORAGE

Handling: 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.
Storage: 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 8 hr-TLV	ACGIH 15 min-STEL	OSHA 8 hr-PEL	OSHA 15 Min-STEL	OSHA PEL-Ceiling	CAL/OSHA 8 Hr-PEL	CAL/OSHA Ceiling	CAL/OSHA 15 Min-STEL
Methylene Chloride	50 ppm	N/E	25 ppm	125 ppm	N/E	N/E	N/E	N/E
Methyl Acetate	200 ppm	250 ppm	200 ppm	250 ppm	N/E	200 ppm	N/E	250 ppm
Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	300 ppm	N/E	200 ppm	N/E	300 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 he 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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, medium syrupy liquid		
Odor:	Ketone	**Odor Threshold:**	5.4 ppm (MEK)
pH:	Not Applicable		
Melting/Freezing Point:	-99C (-146°F) (Methyl Acetate)		
Boiling Point:	39.8°C (104°F) Based on first boiling component: Methylene Chloride	**Evaporation Rate:**	> 1.0 (BUAC = 1)
Flash Point:	-10°C (14°F) (Methyl Acetate	**Flammability:**	None
Specific Gravity:	1.107 @23°C (73.4°F)	**Flammability Limits:**	**LEL:** 1.4% (MEK)
Solubility:	32g/100g H2O (Methyl Acetate)		**UEL:** 22% (Methylene Chloride)
Partition Coefficient n-octanol/water:	Not Available	**Vapor Pressure:**	355 mmHG @ 20C (Methylene Chloride)
Auto-ignition Temperature:	454°C (849°F) (Methyl Acetate)	**Vapor Density:**	>2.0 (Air = 1)
Decomposition Temperature:	Not Applicable		
VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test Method 316A,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_{50}**	**LC_{50}**	**Target Organs**
Methylene Chloride (dichloromethane)	Oral: 1500- 2500 mg/kg (rat) , Dermal: Not Determined	Inhalation 7 hrs. >10000 PPM (rat)	STOT SE3
Methyl Acetate	Oral: > 5000 mg/kg (oral/rabbit)	Inhalation 4 hrs. 12000 PPM (rat)	STOT SE3
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m^3 (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	Not Established	Not Established	Not Established	Not Established

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None Known
Mobility in Soil:	If released into the environment, this product can move rapidly through the soil.
Degradability:	Moderately biodegradable
Bioaccumulation:	Low

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

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 1L 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

Precautionary Label Information: Flammable, Harmful, Suspected Carcinogen
Symbols: F, Xn

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia, AICS, Korea ECL/TCCL, Japan MITI (ENCS), **CA Prop 65**

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

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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 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:	3/3/2020 / Updated GHS Standard Format	
Intended Use of Product:	Solvent Cement for Bonding Acrylics	

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.