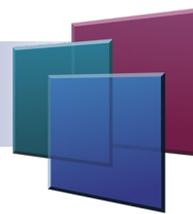


# Safety Data Sheet



## Weld On #3

### 1. Product details

Usage:	Solvent cement for bonding acrylics
Chemical characterization:	75-90% Methylene Chloride (dichloromethane) 5-15% Trichloroethylene 1-2% Methyl Methacrylate Monomer, stabilized (MMA)

### 2. Hazards identification: GHS Classification

Health	
Acute toxicity:	Category 4
Skin irritation:	Category 2
Skin sensitization:	NO
Eye:	Category 2
Environmental	
Acute toxicity:	None known
Chronic toxicity:	Category 3

### 3. First aid measures

Inhalation:	Move subject to fresh air.
Skin contact:	Wash skin with soap and water. If irritation develops, get medical attention.
Eye contact:	Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.
Ingestion:	Do not induce vomiting. Seek medical advice immediately.

### 4. Fire – fighting measures

Suitable extinguishing measures:	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 and protective firefighting clothing.

### 5. Accidental release measures

Personal precaution:	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.
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# Safety Data Sheet



Environmental precaution: Prevent product or liquids contaminated with product from entering sewers, drains, soil, or open waters.

Methods for cleaning up: Avoid generation of dust. Remove all sources of ignition. Sweep or scoop up into closed containers for disposal.

Materials not to be used for clean up: Zinc, aluminum or plastic containers

## 6. 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.

## 7. Exposure control

Exposure limits:

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Methylene chloride	50 ppm	N/E	25 ppm	125
Trichloroethylene	50 ppm	100 ppm	100 ppm	N/E
Methyl methacrylate monomer, stabilized	50 ppm	100 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.

Eye protection:

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

Skin & body protection:

Prevent contact with the skin as much as possible. Use protective clothing chemically resistant to this material. Remove contaminated clothing immediately, wash skin 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.

# Safety Data Sheet



## 8. Physical and chemical properties

Physical state:	Clear, thin liquid
Color:	Clear
Odor:	Irritating
Odor threshold:	250 ppm
pH:	Not applicable
Melting point:	96.7°C (-142.1°F) (Methylene Chloride)
Boiling point:	39.8°C (104°F) Based on first boiling component: Methylene Chloride
Decomposition temperature:	Not applicable
Flash point:	None
Auto-ignition temperature:	833°F (445°C)
Explosion limits:	Not applicable
Evaporation rate:	> 1.0 (BUAC = 1)
Vapor pressure:	355 mmHG @ 20C (Methylene Chloride)
Vapor density:	2.0 (Air = 1)
Relative density:	1.19 approx.
Solubility:	1.3% @ 25oC (Methylene Chloride)
Specific gravity:	1.33 @ 23°C (73.4°F)
Flammability limits:	LEL: 14% (Methylene Chloride) UEL: 22% (Methylene Chloride)

## 9. Stability and reactivity

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

# Safety Data Sheet



## 10. Toxicological information

Toxicity	LD50	LC50	Target Organs
Methylene Chloride	Oral: 1500-2500 mg/kg (rat), dermal	Inhalation 7 hrs: >10,000 PPM (rat)	STOT SE3
Trichloroethylene	Oral: 5650 mg/kg (rat)	Inhalation: 4 hrs. 12,000 PPM (rat)	STOT SE3
Methyl Methacrylate Monomer	Oral: 7900 mg/kg (rat), dermal	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

## 11. Ecological information

Ecotoxicity:	This product should have low toxicity to aquatic and terrestrial organisms.
Mobility:	In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of <250 g/l. Mobility in soil is high.
Persistence & degradability:	Not readily biodegradable.
Bioaccumulation:	This solid product has a low potential for bioaccumulation.

## 12. Disposal considerations

Waste disposal should be in accordance with all federal, state, and local environmental laws and regulations.

## 13. 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)
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".

# Safety Data Sheet



## 14. Regulatory information

Precautionary label information:	Toxic, Suspected Carcinogen
Symbols:	Toxic
Risk phrases:	R36/38: Irritating to eyes and skin. R40: Limited evidence of a carcinogenic effect. R45: May cause cancer. R52/53: Harmful to aquatic organisms, may cause long-term effects in the aquatic environment. R67: Vapors may cause drowsiness and dizziness R68: Possible risk of irreversible effects
Safety phrases:	S2: Keep out of reach of children. S23: Do not breathe gas/fumes/vapor. S24/25: Avoid contact with skin and eyes. S36/37: Wear suitable protective clothing and gloves. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible). S53: Avoid exposure – obtain special instructions before use. S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

## 15. Other information

SDS Prepared by: A&C Plastics

The information presented herein is believed to be factual and reliable. It is offered in good faith, but without guarantee, since conditions and methods for the use of our products are beyond our control. We recommend that the prospective user determine the suitability of our products and these suggestions before adopting them on a commercial scale.

PLASTICS, INC.