

Weld-On® 600™ Clear Adhesive

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Weld-On® 600™ Clear Adhesive
PRODUCT USE: Solvent based adhesive for plastic drainage and HVAC systems
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:

Acute Toxicity:	Health Category 4	Acute Toxicity:	Environmental Category 1	Flammable Liquid	Physical Category 2
Skin Irritation:	Category 2	Chronic Toxicity:	Category 1		
Skin Sensitization:	NO				
Eye:	Category 2				
Aspiration Toxicity:	Category 1				

GHS LABEL:



Signal Word:
Danger

WHMIS CLASSIFICATION: CLASS B, DIVISION 2
CLASS D, DIVISION 2A
CLASS D, DIVISION 1B

Hazard Statements

H225: Highly flammable liquid and vapor
 H304: May be fatal if swallowed and enters airways
 H315: Causes skin irritation
 H336: May cause drowsiness or dizziness
 H340: May cause genetic defects
 H350: May cause cancer
 H361: Suspected of damaging fertility or the unborn child
 H373: May cause damage to organs through prolonged or repeated exposure
 H400: Very toxic to aquatic life
 H410: Very toxic to aquatic life with long lasting effects

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 Pre-registration Number	CONCENTRATION % by Weight	
Methylene Chloride * # (dichloromethane)	75-09-2	200-838-9	17-2119926076-39-0000	20 - 25	
Solvent Naphtha	64742-89-8	265-192-2	Under development	20 - 25	(Component of Hexasol Mixture)
n-hexane *	110-54-3	203-777-6	Under development	20 - 25	(Component of Hexasol Mixture)
Cyclohexane *	110-82-7	203-806-2	Under development	5 - 10	(Component of Hexasol Mixture)
Heptane	142-82-5	205-563-8	Under development	3 - 7	(Component of Hexasol Mixture)

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 that 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: 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.
Likely Routes of Exposure: Inhalation, Ingestion, Eye and Skin Contact
Acute symptoms and effects:
Inhalation: Severe overexposure may result in drowsiness, nausea, dizziness, or headache.
Eye Contact: May cause mild eye irritation
Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.
Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.
Chronic (long-term) effects: IARC Classification 2B (Methylene Chloride), 1B (Solvent Naphtha)
 GHS Classification Carc2 (Methylene Chloride), Carc1B (Solvent Naphtha)

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.
Unsuitable Extinguishing Media: Water spray or stream.
Exposure Hazards: Inhalation and dermal contact
Combustion Products: Oxides of carbon, hydrocarbons, hydrogen chloride and smoke
Protection for Firefighters: Self-contained breathing apparatus or full-face positive pressure airline masks.

	HMIS	NFPA	
Health	3	3	1-Slight
Flammability	3	3	2-Moderate
Reactivity	0	0	3-Serious
PPE	H		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 vessel.
Materials not to be used for clean up: Plastic containers

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 or shade below 44°C (110°F) and away from direct sunlight.
 Keep away from ignition sources and incompatible materials such as: caustics, amines, acids, and strong oxidizers.
 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
	Methylene Chloride (dichloromethane)	50 ppm	None	25 ppm skin
	Solvent Naphtha	300 pp	None	300 ppm
	n-hexane*	50 ppm	None	500 ppm
	Cyclohexane*	100 ppm	None	300 ppm
	Heptane	400 ppm	500 ppm	500 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: Prevent contact with the skin as much as possible. PVA coated rubber gloves should be used for frequent immersion.
 Use of latex or nitrile gloves or solvent-resistant barrier cream should provide adequate protection for normal adhesive application practices and procedures are used for making structural bonds.
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.



GHS SAFETY DATA SHEET

Date Revised: JUN 2018

Supersedes: MAY 2015

Weld-On® 600™ Clear Adhesive

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, regular syrupy liquid	Odor Threshold:	250 ppm based on MeCl
Odor:	Naptha	Boiling Range:	64°C (147°F) to 89°C (190°F) based on Hexasol Mixture
pH:	Not Applicable	Evaporation Rate:	8.8 (BUAC = 1) based on Hexasol Mix Category 2
Melting/Freezing Point:	Not available	Flammability:	LEL: 1% based on Hexasol Mixture
Boiling Point:	64°C (147°F) based on Hexasol Mixture	Flammability Limits:	UEL: 7% based on Hexasol Mixture
Flash Point:	-18°C (0°F) TCC based on Hexasol Mixture	Vapor Pressure:	138 mm Hg @ 68°C (154°F) based on Hexasol Mixture
Specific Gravity:	0.890 @23°C (73°F)	Vapor Density:	3.2 (Air = 1)
Solubility:	Not available		
Partition Coefficient n-octanol/water:	Not Available		
Auto-ignition Temperature:	232°C (450°F) based on Hexasol		
Decomposition Temperature:	Not available		
VOC Content:	< 400 g/L		

SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity:	LD50	LC50	STOT
Methylene Chloride (dichloromethane)	Oral: 1500- 2500 mg/kg (rat) , Dermal: Not Determined	Inhalation 7 hrs. >10000 PPM (rat)	SE3
Solvent Naphtha	Oral: 8000 mg/kg (rat), Dermal 4000mg/kg (rabbit)	Inhalation 4 hrs. 3400 mg/m ³ (rat)	
n-hexane	Oral: 25,000 mg/kg (rat), Dermal: 1300 mg/kg (rabbit)	Inhalation 4 hrs. 48,000 mg/m ³ (rat)	SE3 / RE2
Cyclohexane	Oral: 29,820 mg/kg (rat), Dermal: 2000 mg/kg (rabbit)	Inhalation 4 hrs. 103,000 PPM (rat)	SE3
Heptane	Oral: 15,000 mg/kg (rat), Dermal: 2000 mg/kg (rabbit)	Inhalation 50,100 mg/m ³ (rat)	SE3

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Category 2	Not Established	Category 1B	Not Established	Not Established	Not Established

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Category 1
Mobility:	In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of < 400 g/l.
Degradability:	Not Available
Bioaccumulation:	Minimal to none.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name:	Adhesives
Hazard Class:	3
Secondary Risk:	6.1
Identification Number:	UN 1133
Packing Group:	PG II
Label Required:	Class 3 Flammable Liquid
Marine Pollutant:	NO

EXCEPTION for Ground Shipping
DOT Limited Quantity: Up to 5L 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:	FLAMMABLE LIQUID 3
SHIPPING NAME:	ADHESIVES
UN NUMBER/PACKING GROUP:	UN 1133, PG II

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Highly Flammable, Irritant, Carc. Cat. 2	Ingredient Listings:	USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Symbols:	F, Xn, N		
Risk Phrases:	R11: Highly flammable. R38: Irritating to skin. R45: May cause cancer. R46: May cause heritable genetic damage. R62: Possible risk of impaired fertility.	R65: Harmful: may cause lung damage if swallowed. R67: Vapors may cause drowsiness and dizziness. R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
Safety Phrases:	S2: Keep out of the reach of children. S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition. S25: Avoid contact with eyes. S29: Do not empty into drains. S33: Take precautionary measures against static discharges.	S36/37: Wear suitable protective clothing and eye/face protection. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53: Avoid exposure - obtain special instructions before use. S60: This material and its container must be disposed of as hazardous waste. S61: Avoid release to the environment. Refer to special instructions/safety data sheet. S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.	

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 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:	6/20/2018 / Updated GHS Standard Format	
Intended Use of Product:	Solvent based adhesive for plastic drainage and HVAC systems	

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.