



# GHS SAFETY DATA SHEET

## WELD-ON® AA57™ Cleaner

Date Revised: FEB 2010

Supersedes: JAN 2008

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** WELD-ON® AA57™ Cleaner**PRODUCT USE:** Multi-purpose plastics cleaner for acrylics, polycarbonate, butyrate, vinyl, ABS, Styrene, etc.**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 4	Acute Toxicity: None Known	Flammable Liquid: Category 2
Skin Irritation: Category 3	Chronic Toxicity: None Known	
Skin Sensitization: None		
Eye: Category 2B		

**GHS LABEL:**

OR

**Signal Word:**  
Danger**WHMIS CLASSIFICATION:** CLASS B, DIVISION 2Hazard 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
Ethanol	64-17-5	200-578-6	Under Development	80 - 90
Methanol	67-56-1	200-659-6	Under Development	1 - 5
Methyl Isobutyl Ketone	108-10-1	203-550-1	Under Development	1 - 5

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 immediate medical advice.  
**Skin contact:** Wash exposed area with soap and water. If symptoms persist, seek medical attention.  
**Inhalation:** If symptoms develop, move individual into fresh air. If systems persist, seek medical attention. If breathing is difficult, administer oxygen.  
**Ingestion:** Seek medical advice. If individual is drowsy or unconscious, do not give anything by mouth. Contact poison control center for advice.

### SECTION 5 - FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Carbon dioxide (CO2), dry chemical, alcohol-resistant foam	HMIS	NFPA	0-Minimal
<b>Unsuitable Extinguishing Media:</b>	Water spray	Health	3	2
<b>Exposure Hazards:</b>	Inhalation and dermal contact	Flammability	3	3
<b>Combustion Products:</b>	May form oxides of carbon	Reactivity	0	0
<b>Protection 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 container.  
**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 cool, dry, well ventilated area, away from any area where the fire hazard may be acute.  
 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 and product bulletins.

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

EXPOSURE LIMITS:	Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL:
	Ethanol	1000 ppm		1000 ppm	
	Methanol			200 ppm	250 ppm
	Methyl Isobutyl Ketone	50 ppm	75 ppm	100 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>	Blue, thin liquid	<b>Odor Threshold:</b>	100 ppm
<b>Odor:</b>	Ethereal	<b>Evaporation Rate:</b>	Approx. 1.7 (BUAC = 1)
<b>P.H.:</b>	Not Applicable	<b>Flammability:</b>	Category I
<b>Boiling Point:</b>	80°C (176°F) Based on Ethanol	<b>Flammability Limits:</b>	<b>LEL:</b> 1.4 % (MIBK)
<b>Flash Point:</b>	13.8°C (57°F) Based on Ethanol		<b>UEL:</b> 21.1% (Ethanol)
<b>Specific Gravity:</b>	0.810 @23°C ( 73 °F)	<b>Vapor Pressure:</b>	46 mm Hg @ (68 F) 20 C (Ethanol)
<b>Solubility:</b>	Miscible	<b>Vapor Density:</b>	1.6 (Air = 1) Based on Ethanol
<b>Partition Coefficient n-octanol/water:</b>		<b>Other Data: Viscosity:</b>	Water-thin
<b>Auto-ignition Temperature:</b>	424°C (795°F): Ethanol		
<b>Decomposition Temperature:</b>	Not Applicable		
<b>VOC Content:</b>	When applied as directed, per SCAQMD Rule 1168, Test Method 316A,VOC content is: ≤ 600 g/l		

**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.
<b>Conditions to avoid:</b>	Keep away from heat, sparks, open flame and other ignition sources.
<b>Incompatible Materials:</b>	Strong oxidants, acids and bases.

**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

<b>Toxicity:</b>	<b>LD<sub>50</sub></b>	<b>LC<sub>50</sub></b>
Ethanol	Oral: 7076 mg/kg (rat), Dermal: 20 gm/kg (rabbit)	Inhalation 10hrs. 20000 ppm (rat)
Methanol	Oral: 5045 mg/kg (rat), Dermal: 12800 mg/kg (rabbit)	Inhalation 4hrs. 64000 ppm (rat)
Methyl Isobutyl Ketone	Oral: 2080 mg/kg (rat), Dermal: 50 gm/kg (rabbit)	Inhalation 4hrs. 2000 ppm (rat)

<b>Reproductive Effects</b>	<b>Teratogenicity</b>	<b>Mutagenicity</b>	<b>Embryotoxicity</b>	<b>Sensitization to Product</b>	<b>Synergistic Products</b>
Possible	Not Applicable	Possible	Possible	Not Applicable	Not Available

**SECTION 12 - ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	None Known
<b>Mobility:</b>	In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of ≤ 600 g/l 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.

**SECTION 14 - TRANSPORT INFORMATION**

<b>Proper Shipping Name:</b>	Alcohols, n.o.s. Ethanol, Methanol)
<b>Hazard Class:</b>	3
<b>Secondary Risk:</b>	None
<b>Identification Number:</b>	UN 1987
<b>Packing Group:</b>	PG II
<b>Label Required:</b>	Class 3 Flammable Liquid
<b>Marine Pollutant:</b>	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**

<b>TDG CLASS:</b>	FLAMMABLE LIQUID 3
<b>SHIPPING NAME:</b>	Alcohols, n.o.s. Ethanol, Methanol)
<b>UN NUMBER/PACKING GROUP:</b>	UN 1987, PG II

**SECTION 15 - REGULATORY INFORMATION**

<b>Precautionary Label Information:</b>	Highly Flammable, Harmful	<b>Ingredient Listings:</b>	USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
<b>Symbols:</b>	F, Xn		
<b>Risk Phrases:</b>	R-11 Highly Flammable R-20 Harmful by inhalation R-21 Harmful if contact with skin. R-22 Harmful if swallowed.		R-36/37/38 Irritating to eyes, respiratory system and skin. R-41 Risk of serious damage to the eyes. R-43 May cause sensitization by skin contact. R-68 Possible risk of irreversible effects
<b>Safety Phrases:</b>	S-2 Keep out of reach of children. S-7 Keep container tightly closed when not in use. S-9 Keep container in a well-ventilated place. S-15/16 Keep away from heat and sources of ignition. No smoking. S-23 Do not breathe vapor.		S-24/25 Avoid contact with skin and eyes. S-29 Do not empty into drains. S-37 Wear suitable gloves. S-45 If seeking medical advice show physician label or SDS. 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 Directive on RoHS (Restriction of Hazardous Substances).
<b>E-mail address:</b>	<EHSinfo@ipscorp.com>	
<b>Training necessary:</b>	Yes, training in practices and procedures contained in product literature.	
<b>Reissue date / reason for reissue:</b>	2/19/2010 / Modified GHS Standard Format	
<b>Intended Use of Product:</b>	Multi-purpose plastics cleaner for acrylics, polycarbonate, butyrate, vinyl, ABS, Styrene, etc.	

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.