

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 2

<u>Hazard Statements</u>	<u>Precautionary Statements</u>
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.	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
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

Suitable Extinguishing Media: Carbon dioxide (CO2), dry chemical, alcohol-resistant foam
Unsuitable Extinguishing Media: Water spray
Exposure Hazards: Inhalation and dermal contact
Combustion Products: May form oxides of carbon
Protection for Firefighters: Self-contained breathing apparatus or full-face positive pressure airline masks.

	HMIS	NFPA	
Health	3	2	0-Minimal
Flammability	3	3	1-Slight
Reactivity	0	0	2-Moderate
			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

Appearance:	Blue, thin liquid	Odor Threshold:	100 ppm
Odor:	Ethereal		
P.H.:	Not Applicable	Evaporation Rate:	Approx. 1.7 (BUAC = 1)
Boiling Point:	80°C (176°F) Based on Ethanol	Flammability:	Category I
Flash Point:	13.8°C (57°F) Based on Ethanol	Flammability Limits:	LEL: 1.4 % (MIBK)
Specific Gravity:	0.810 @23°C (73 °F)		UEL: 21.1% (Ethanol)
Solubility:	Miscible	Vapor Pressure:	46 mm Hg @ (68 F) 20 C (Ethanol)
Partition Coefficient n-octanol/water:		Vapor Density:	1.6 (Air = 1) Based on Ethanol
Auto-ignition Temperature:	424°C (795°F): Ethanol	Other Data: Viscosity:	Water-thin
Decomposition Temperature:	Not Applicable		
VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 600 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.
Conditions to avoid:	Keep away from heat, sparks, open flame and other ignition sources.
Incompatible Materials:	Strong oxidants, acids and bases.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Inhalation:	Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
Eye Contact:	Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.
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: None known to humans

Toxicity:	LD₅₀	LC₅₀
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)

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Possible	Not Applicable	Possible	Possible	Not Applicable	Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None Known
Mobility:	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.
Degradability:	Biodegradable
Bioaccumulation:	Minimal to none.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name:	Alcohols, n.o.s. Ethanol, Methanol)
Hazard Class:	3
Secondary Risk:	None
Identification Number:	UN 1987
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:	Alcohols, n.o.s. Ethanol, Methanol)
UN NUMBER/PACKING GROUP:	UN 1987, PG II

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Highly Flammable, Harmful	Ingredient Listings:	USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Symbols:	F, Xn		
Risk Phrases:	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
Safety Phrases:	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

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:	2/19/2010 / Modified GHS Standard Format	
Intended Use of Product:	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.