



GHS SAFETY DATA SHEET

WELD-ON® AA55™ VOC-free 2-Component Cartridge Adhesive System

Date Revised: **FEB 2010**Supersedes: **JAN 2008**

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® AA55™ VOC-free 2-Component Cartridge Adhesive System**PRODUCT USE:** 2-Component, fast-setting, reactive, urethane-based adhesive**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:	None	Acute Toxicity:	None Known	None Known
Skin Irritation:	Category 2	Chronic Toxicity:	None Known	
Skin Sensitization:	YES			
Eye:	Category 2A			

GHS LABEL:

OR

**Signal Word:**
Warning**WHMIS CLASSIFICATION:**

CONTROLLED PRODUCT CLASS D, DIVISION 2A

Hazard Statements	Precautionary Statements
May cause irritation/allergic skin reaction	Do not breathe vapor Keep container closed Use in well-ventilated area

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	EINECS #	REACH Pre-registration Number	CONCENTRATION % by Weight
Component "A" (Initiator/Catalyst) Homopolymer of HDI	28182-81-2	500-060-2	Under development	89 - 99
Component "B" (Base Resin)				

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.

*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. If irritation develops, seek medical advice.
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.

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Dry powder, water spray, carbon dioxide, foam or dry chemical	HMIS	NFPA	0-Minimal
Unsuitable Extinguishing Media:	None known	Health	1	1
Exposure Hazards:	Inhalation and skin contact	Flammability	1	1
Combustion Products:	Oxides of carbon and nitrogen, hydrogen cyanide, HDI	Reactivity	1	1
Protection for Firefighters:	Self-contained breathing apparatus or full-face positive pressure air-supply masks			4-Severe

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:	Provide sufficient ventilation, 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 dry absorbent material. Shovel to a suitable unsealed container, transport to ventilated area, treat with neutralizing solution.

SECTION 7 - HANDLING AND STORAGE

Handling:	Avoid breathing of vapor, avoid contact with eyes, skin and clothing. Do not eat, drink or smoke while handling.
Storage:	Store in cool, well-ventilated area. Keep container tightly closed when not in use. 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:
	Homopolymer of HDI	Not Est.	Not Est.	Not Est.	Not Est.

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 splashproof chemical goggles or 8" face shield. Contact lenses should not be worn.**Skin Protection:** Prevent contact with the skin as much as possible. Chemical resistant gloves should be used for frequent immersion.

Use of latex/nitrile surgical gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application practices and procedures are used for making structural bonds.

Respiratory Protection: Use in a well-ventilated room. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: "A" - Clear, pale, yellow syrupy liquid, "B" - Clear, syrupy liquid
Odor: "A" - Slight, "B" - None
pH: Not Applicable
Boiling Point: 255 C (491 F) (Homopolymer of HDI)
Flash Point: 135°C (275°F) (Homopolymer of HDI)
Specific Gravity: "A" - 1.170, "B" - 1.12 @23°C (73°F)
Solubility: Not Soluble in Water
Auto-ignition Temperature: 454°C (849°F) (Homopolymer of HDI)
Decomposition Temperature: 170°C (338°F)

Evaporation Rate: "A" - N/A, "B" - slower than Ether
Flammability: None Known
Flammability Limits: LEL: Not Established
 UEL: Not Established
Vapor Pressure: Not Established
Vapor Density: Not Established
VOC Content : None

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Hazardous decomposition products: None in normal use. By fire: Oxides of carbon and nitrogen, hydrogen cyanide and HDI.
Conditions to avoid: Keep away from direct sunlight, heat, sparks, open flame and other ignition sources.
Incompatible Materials: Water, amines, strong bases, alcohols, metal compounds, surface active materials.

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Inhalation: May cause irritation of nose, throat and lungs
Eye Contact: May cause eye irritation
Skin Contact: May cause skin irritation
Ingestion: May cause burning of gastro-intestinal tract.

Chronic (long-term) effects: None known to humans

Toxicity: LD₅₀ LC₅₀
 Homopolymer of HDI Oral: 10000 mg/kg (rat), Dermal: 5000 mg/kg (rabbit) Inhalation: 4 hrs. 390-453 mg/m³ (rat)

<u>Reproductive Effects</u>	<u>Teratogenicity</u>	<u>Mutagenicity</u>	<u>Embryotoxicity</u>	<u>Sensitization to Product</u>	<u>Synergistic Products</u>
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None Known
Mobility: Not Established
Degradability: Not Established
Bioaccumulation: Not Established

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult local disposal expert.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: None
Hazard Class: Not Regulated as a hazardous material
Secondary Risk None
Identification Number: None
Packing Group: None
Label Required: None
Marine Pollutant: NO

TDG INFORMATION

TDG CLASS: Not Regulated
SHIPPING NAME: Not Regulated
UN NUMBER/PACKING GROUP: Not Regulated

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Irritant
Symbols: Xi
Risk Phrases: R-36/37/38 Irritating to eyes, respiratory system and skin.
Safety Phrases: S-2/3 Keep in a cool place, out of reach of children. S-29 Do not empty into drains, storm drains or watercourses.
 S-7 Keep container tightly closed when not in use. S-37/39 Wear suitable gloves and eye protection.
 S-24/25 Avoid contact with skin and eyes. S-45 If seeking medical advice show physician label or SDS.
 S-35 Dispose of material and container in a safe way. S-51 Use only in well ventilated areas

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

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: 2/19/2010 / Modified GHS Standard Format
Intended Use of Product: 2-Component, fast-setting, reactive, urethane-based adhesive

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.