

**MATERIAL SAFETY DATA SHEET**

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product:</b>	PG-1, PG-1A	<b>Trade Name:</b>	Power Glue
<b>Manufacturer:</b>	AGS Company	<b>Common Name:</b>	Solvent Adhesive (Welder)
<b>Street Address:</b>	2651 Hoyt St		
<b>City/ State/ Zip</b>	Muskegon Hts., MI 49444		
<b>Phone:</b>	800-253-0403		
<b>Phone:</b>	231-733-2101		
<b>FAX:</b>	231-733-1784	<b>Original Issue Date:</b>	1/31/2007
<b>Transportation Emergency:</b>	CHEM-TEL	<b>Revision No.</b>	3
<b>Phone:</b>	800-255-3924	<b>Date</b>	12/10/2012

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

ITEM	CAS NUMBER	WT/WT %
1 VOC Exempt Solvent	98-56-6	30-60%

OCCUPATIONAL EXPOSURE LIMITS

ITEM	ACGIH TLV		ACGIH TLV-C		ACGIH STEL		OSHA STEL		OSHA PEL	
	NA	ppm	NA	ppm	NA	ppm	NA	ppm	NA	ppm
1										

SECTION 3 - HAZARDS IDENTIFICATION

**EYE CONTACT:** Liquid and vapors may be irritating and can cause pain, tearing, reddening and swelling.

**SKIN CONTACT:** Prolonged or repeated contact may result in irritation and/or dermatitis.

**INHALATION:** Excessive inhalation of vapors and/or spraymist can cause respiratory irritation, dizziness, weakness, fatigue, nausea, headache, unconsciousness and even asphyxiation.

**INGESTION:** Not expected to be a route of exposure. It may cause gastrointestinal irritation, nausea, and vomiting.

**CHRONIC HAZARDS:** Results from a study in rats indicate that MDI aerosol was carcinogenic at 6mg/m3. Irritation was noted at lower concentrations. No birth defects or teratogenic effects reported with rats exposed to 1, 4, & 12mg/m3 polymeric MDI for 6hr/day on days 6-15 of gestation. A result of repeated overexposure or a single large dose will cause certain individuals to develop isocyanate sensitization. Symptoms include chest tightness, wheezing, cough, shortness of breath, or asthma attacks. Lung damage can also occur with chronic overexposure.

Primary Route(s) of Entry Inhalation, skin and eye contact or ingestion.

SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN CONTACT:** Immediately flush with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**INGESTION:** Get medical attention immediately. If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	109°F	42.78°C	<b>LOWER EXPLOSIVE LIMIT:</b>	0.9 %
			<b>UPPER EXPLOSIVE LIMIT:</b>	10.5 %
<b>AUTOIGNITION TEMPERATURE:</b>	NA			
<b>EXTINGUISHING MEDIA:</b>	Water fog, dry chemical, CO <sup>2</sup> , foam			

**MATERIAL SAFETY DATA SHEET**

UNUSUAL FIRE AND EXPLOSION HAZARDS: Move containers from area if it can be done without risk. Cool fire-exposed containers with water from the side. Wear NIOSH/MSHA approved; pressure demand self-contained breathing apparatus. Never use cutting torch on empty containers. Residual vapors may explode.

SPECIAL FIREFIGHTING PROCEDURES: Wear NIOSH/MSHA approved self-contained breathing apparatus and protective gear. Water spray may be utilized to cool containers.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

RECOVERY PROCEDURES: Absorb spill with inert material then place in a chemical waste container.

**SECTION 7 - HANDLING AND STORAGE**

HANDLING: Wash thoroughly after handling

STORAGE: Keep away from heat, sparks, and flame.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: Use in well ventilated area. Local exhaust could be utilized to remove fumes.

RESPIRATORY PROTECTION: For most conditions, no respiratory protection should be needed, however, if high vapor concentration should develop, use a NIOSH approved organic vapor respirator.

SKIN PROTECTION: Where contact is likely, wear chemical resistant gloves.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash in work area.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with eyes, skin, and clothing.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE	282 degrees F (138.89 degrees C)	VAPOR DENSITY:	Heavier than air
ODOR	Acrid	ODOR THRESHOLD	NA
APPEARANCE	Straw	EVAPORATION RATE	Faster than n-Butyl Acetate
SOLUBILITY IN H <sub>2</sub> O	NA	SPECIFIC GRAVITY	1.17337
FREEZE POINT	NA	pH @ 0.0%	NA
VAPOR PRESSURE	NA	% Volatile Weight	56.01%
PHYSICAL STATE	Liquid	% Volatile Volume	48.97%
		VOC	0

(See Section 16 for abbreviation legend)

**SECTION 10 - STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: Sources of ignition.

INCOMPATIBILITY: Avoid strong oxidizers (e.g. nitric acid)

HAZARDOUS DECOMPOSITION PRODUCTS May form carbon monoxide and dioxide, various hydrocarbons, etc...

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions

STABILITY: This product is stable under normal storage conditions.

**SECTION 11 - TOXICOLOGICAL PROPERTIES**

PRODUCT LD-50 NA mg/kg PRODUCT LC-50 NA ppm

COMPONENT TOXICOLOGICAL INFORMATION:

**MATERIAL SAFETY DATA SHEET**

CHEMICAL NAME

LD50

LC50

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME Not regulated

DOT TECHNICAL NAME

DOT HAZARD CLASS HAZARD SUBCLASS:

UN / NA NUMBER: PACKING GROUP: NA RESP. GUIDE PAGE

SECTION 15 - REGULATORY INFORMATION

U.S FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 cfr 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III ) and is considered, under applicable definitions, to meet the following categories:

SARA SECTION 313

This product contains the following substance subject to the reporting requirements of Section 313 of Title of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT /WT % IS LESS THAN
---------------	------------	-----------------------

TOXIC SUBSTANCE CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
---------------	------------

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

CHEMICAL NAME	CAS NUMBER
---------------	------------

PENNSYLVANIA RIGHT-TO-Know

The following non-hazardous ingredients are present in the product at greater than 3%:

CHEMICAL NAME	CAS NUMBER
---------------	------------

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are know to the state of California to causes cancer, birth defects or other reproductive harm.

CHEMICAL NAME	CAS NUMBER
---------------	------------

No Propositon 65 chemicals exist in this product.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations

**MATERIAL SAFETY DATA SHEET**

except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

**SECTION 16 - OTHER INFORMATION**

---

HMIS RATINGS:	Health	1	Flammability	2	Phys. Haz.	1	PPE	H
NFPA	Health	1	Flammability	2	Reactivity	1	PPE	H

VOLATILE ORGANIC COMPOUNDS (VOCs): 0 grams / liter

LEGEND: NA Not Applicable NE Not Established  
ND Not Determined

Disclaimer: The information contained herein is base on data available. However, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.