



SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS, OSHA 29CFR 1910.1200

Section 1: Chemical Product and Company Identification

CHEMICAL SUPPLIER COMPANY NAME

Access-Able Technologies, Inc.
1275 Bennett Drive
Unit #115
Longwood, Florida 32750

EMERGENCY TELEPHONE

Chemtrec 24 hrs USA: 800-424-9300
Chemtrec International: 703-527-3887
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Safety Data Sheet Competent Person:
info@accessabletech.com

DATE PREPARED: April 12, 2012

REVISION DATE: April 23, 2012

PRODUCT NAME: POW-R WRAP

FORMULA: Preparation/Mixture

PRODUCT USE: Repair of leaks in all types of pipes, hoses, and lines that may contain fluids, gases, or any other type of material.

Section 2: Hazards Identification

Regulation (EC) No 1272/2008

GHS Hazard Class

Category 1



Signal word: Danger

Hazard Statement: H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317: May cause an allergic skin reaction

Precautionary Statements: Prevention

Avoid breathing dust/fume/gas/mist/vapours/spray
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.

Response

If inhaled remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Get emergency medical attention.
If on Skin: Wash with plenty of water.

Storage

No

Disposal

Dispose of contents and container: Follow the waste disposal requirements of your country, state, or local authorities. Used material may be disposed of in municipal trash.

<10 % of mixture consists of ingredients of unknown acute toxicity

HAZARD CLASSIFICATION: Not Classified As Hazardous Based On IMO and DOT.

FIRE AND EXPLOSION: Not considered flammable or combustible, but this product will burn if involved in a fire.
Product emits toxic fumes when burned.

POTENTIAL HEALTH EFFECTS:

INGESTION: No Information

INHALATION: Irritating to respiratory tract, damage to mucous membranes, allergic sensitization (Isocyanates).

SKIN CONTACT: May Cause Irritation

EYE CONTACT: Eye Irritation May Result

OTHER: None

CHRONIC EFFECTS OF OVEREXPOSURE: None

APPEARANCE: Fiberglass tape impregnated with grey liquid



NFPA Rating:

Component	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
POW-R WRAP	1	0	0	--

Section 3: Composition, Information on Ingredients

PRODUCT COMPOSITION	APPRX %	ACGIH TLV	OSHA PEL	NIOSH REL	CAS NO.	EINECS/ELINCS	DANGER SYMBOL	RISK PHRASE	DSL CANADA
Polyisocyanate Prepolymer	60-95	----	----	----	TS	----	----	----	Y
4,4'-Diphenylmethane Diisocyanate (MDI)	5-20	----	----	----	101-68-8	202-966-0	Xn	R20, 36/37/38, 42/43	Y
Polymeric Diphenylmethane Diisocyanate (pMDI)	<15	----	----	----	9016-87-9	----	----	----	Y
Diphenylmethane Diisocyanate (MDI) Mixed Isomers	<5	----	----	----	26447-40-5	----	----	----	Y
Polyester Resin	<5	----	----	----	TS	----	----	----	TS
Zinc Sulfide	<5	----	----	----	1314-98-3	215-251-3	----	----	Y

Trade Secret (TS) Some items on this MSDS may be designated as trade secrets. Bonafide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13. The full text for all R-Phrases is shown in Section 16.

Section 4: First Aid Measures

INHALATION:	Remove to fresh air. If not breathing, provide CPR (cardio pulmonary resuscitation). Get immediate medical attention.
SKIN CONTACT:	Immediately flush skin with plenty of soap and water. Remove contaminated clothing.
EYE CONTACT:	Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.
INGESTION:	If swallowed do not induce vomiting, give large quantities of water to drink. Never give anything to an unconscious person. Get immediate medical attention.

Section 5: Fire-fighting Measures

FLASH POINT:	460 °F (237.78 °C) Pensky-Martens Closed Cup ASTM D-93
FLAMMABLE LIMITS IN AIR (% by vol):	Not measured
EXTINGUISHING MEDIA:	Foam, Dry Chemical Powder, or Carbon Dioxide
SPECIAL FIREFIGHTING PROCEDURES:	None
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Emits toxic fumes under fire conditions.

Section 6: Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

- Ensure adequate ventilation.
- Wear proper protective equipment as specified in Section 8: Exposure Controls/Personal Protection
- Warn other workers of spill and contain spill.
- Place material into a chemical waste container.
- Prevent spills or contaminated rinse water from entering sewers or watercourses.

Disposal method: disposal should be made in accordance with federal, state and local regulations as stated in Section 13.



Section 7: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- Use only with adequate ventilation.
- Do not inhale vapors.
- Wear proper protective equipment when handling this material.
- Avoid contact with skin, eyes or clothing.
- Wash hands and face after handling this material.
- Keep out of reach of children.
- Follow all applicable local regulations for handling and storage.

INFORMATION ON EMPTIED CONTAINER

- Dispose of this container according to local, state, and federal laws in your country.
- Do not reuse this container. This container may be hazardous when emptied.

SPECIFIC USES:

- Repair of leaks in all types of pipes, hoses, and lines that may contain fluids, gases, or any other type of material.

Section 8: Exposure Controls/Personal Protection

VENTILATION:

Always provide good general, mechanical room ventilation where this chemical/material is used.

RESPIRATORY PROTECTION:

Use a suitable respiratory protective device in case of insufficient ventilation. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or the European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

PROTECTIVE GLOVES:

Wear chemical impervious gloves at all times while working with this product. Recommended glove types include: Laminate Film, Nitrile, or Tri-polymer. Check with your company's glove supplier to ensure chemical resistance.

EYE PROTECTION:

Safety Glasses, Chemical goggles, or face shield

PROTECTIVE CLOTHING:

Wear suitable protective clothing to prevent skin contact.

OTHER EQUIPMENT:

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

WORK/HYGIENE PRACTICES:

Avoid breathing vapor. Avoid contact with eyes. Wash hands and face after handling.

Section 9: Physical and Chemical Properties

APPEARANCE - COLOR:

Grey

PHYSICAL STATE:

Fiberglass tape impregnated with grey liquid

ODOR:

Slight aromatic odor

PRODUCT CRITERIA

	PRODUCT CRITERIA
ODOR THRESHOLD	Not Established
PH	Not Available for product
FLASH POINT:	460 °F (237.78 °C) Pensky-Martens Closed Cup ASTM D-93
LOWER EXPLOSIVE LIMIT; UPPER EXPLOSIVE LIMIT	Not Available for product
FLAMMABILITY (Solid, gas)	Not Available for product
EXPLOSIVE PROPERTIES	Not Available for product
OXIDIZING PROPERTIES	Not Available for product
SPECIFIC GRAVITY (@ 25 °C):	1.14
EVAPORATION RATE:	Not Available for product
% VOLATILE by VOLUME	Negative
PARTITION COEFFICIENT	Not Available for product



AUTO IGNITION TEMPERATURE	Not Available for product
DECOMPOSITION TEMPERATURE	Not Available for product
BOILING POINT:	Approx. 694 °F (367.78) °C Estimated based upon components
MELTING POINT:	Not Established
VAPOR PRESSURE	< 0.0001 mmHg @ 77 °F (25 °C)
VAPOR DENSITY (AIR = 1)	Approx. 1.14 g/cm ³ @ 77 °F (25 °C)
SOLUBILITY IN WATER:	Insoluble – Reacts slowly with water to liberate CO ₂ gas
WATER SOLUBILITY IN THE SOLVENT	Not Available for product
FREEZING POINT:	Not Established
VISCOSITY	269 Pa·s (@ 25°C)
VOC CONTENT	Approx 5400 mPas @ 77 °F (25 °C)

Section 10: Stability and Reactivity

STABILITY:	Stable
CONDITIONS TO AVOID:	None
INCOMPATIBILITY (MATERIALS TO AVOID):	Water reacts with the chemicals in the tape.
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur

Section 11: Toxicological Information

GHS Required Criteria	Toxicity Criteria	Toxicity Information	Comments	Chemical Constituent
	LD50 (Oral/Rat):	>10 g/kg		9016-87-9
	LC50 (Inhalation/Rat male):	369 mg/m ³ / 4 hour		108-68-8
	LD50 (Oral/Rat):	>15g/kg		1314-98-3
	LD50 (Dermal/Rabbit):	>2g/kg		1314-98-3
Acute Toxicity		No information is available.		
Skin Corrosion/Irritation		No information is available.		
Serious Eye Damage / Eye Irritation		No information is available.		
Respiratory or Skin Sensitization		No information is available.		
Germ Cell Mutagenicity		No information is available.		
Carcinogenicity		Not listed	NTP	
		Not classifiable as to its carcinogenicity in humans (Group 3)	IARC	108-68-8
		Not classifiable as to its carcinogenicity in humans (Group 3)	IARC	9016-87-9
		Not listed	OSHA	
Reproductive Toxicity		No information is available.		
STOST -- Single Exposure		No information is available.		
STOST – Repeated Exposure		No information is available.		
Aspiration Hazard		No information is available.		
Ames Test	Negative			9016-87-9
	Negative			108-68-8

STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION:

Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Section 12: Ecological Information

Chemical

BIODEGRADATION:	No information is available.	
BIOACCUMULATION:	No information is available.	
ECO TOXICITY:	LC50 Daphnia magna (Water flea) 970 mg/L/48 hr; static	1314-98-3
	LC50 Pimephales promelas (Fathead minnow) 1826 mg/L/96 hr; static	1314-98-3
MOBILITY:	No information is available.	

Note: Not all of the ingredients have been tested for Ecotoxicity.

Section 13: Disposal Considerations

WASTE FROM RESIDUES / UNUSED PRODUCTS:

Follow the waste disposal requirements of your country, state, or local authorities. Water reacted product can be disposed of in municipal trash.

CONTAMINATED PACKAGING:

Contaminated packaging material should be disposed of as stated above for residues and unused product.

RINSATE: Recommend not to dispose of rinse water containing product in a storm water drainage system.

Section 14: Transport Information

DOT TRANSPORT:

DOT PROPER SHIPPING NAME Not Regulated

ADR = International Carriage of Dangerous Goods by Road

Not Regulated

RAIL TRANSPORT:

Not Regulated

SEA TRANSPORT:

Not Regulated

AIR TRANSPORT:

IATA/ICAO CLASS:

Not Regulated

Section 15: Regulatory Information

Directive 67/548/EEC

LABEL FOR SUPPLY:



N
Harmful

RISK PHRASES:

R-Phrase:	R36	Irritating to Eyes
	R38	Irritating to Skin
	R42/43	May cause sensitization by inhalation and skin contact
S-Phrase:	S24	Avoid contact with Skin
	S25	Avoid contact with Eyes

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and orders of TSCA. All components are listed on the TSCA Inventory.



SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: Zinc Sulfide CAS 1314-98-3

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California Proposition 65 chemical(s) under the statute.

The California proposition 65 chemical(s) contained in this product are: None

STATE RIGHT-TO-KNOW TOXIC SUBSTANCE OR HAZARDOUS SUBSTANCE LIST:

Florida Toxic Substance(s):	Not listed
Massachusetts's hazardous substance(s):	Not listed
Pennsylvania hazardous substance code(s):	Not listed
New Jersey	Not listed
Illinois	Not listed
Michigan	Not listed

CANADA:

This MSDS/SDS will be non compliant 3 years after the issue date. This MSDS contains all of the information required by the Controlled Products Regulations (CPR).

WHMIS-INFORMATION:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR), SOR/88-66, current to February 20, 2012. There are no WHMIS hazard classes applicable to this product.

EUROPEAN UNION:

This product has been reviewed for compliance with the following European Community Directives: REACH 1907/2006; Directive 67/548/EEC, Regulation (EC) No 1272/2008 on classification, labeling and packaging (CLP) of substances and mixtures.

Section 16: Other Information

European Community Hazards Identification:

R: 20	Harmful by inhalation
R: 36/37/38	Irritating to eyes, respiratory system and skin
R: 42/43	May cause sensitization by inhalation and skin contact
S: 1/2	Keep locked up and out of the reach of children.
S: 23	Do not breathe gas/fumes/vapour/spray
S: 36/37	Wear suitable protective clothing and gloves
S: 45	In case of accident or if you feel unwell seek medical advice immediately

Danger Symbol(s):	Xn Harmful
Revision Comments:	Updated from April 13, 2012
Revision Number:	0
Information Sources:	RTECS, REACH, OSHA 29CFR 1910.1200

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