

Material Safety Data Sheet

May be used to Comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be Consulted for specific requirements

HMIS

HEALTH

2 REACTIVITY

0

FLAMMABILITY

1 PERSONAL PROTECTION B

Identity (As Used On Label and List)**B4152 Pipe Bond Emergency Repair Kit**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I**Manufactured for:**

OMEGA INDUSTRIAL SUPPLY, INC

Emergency Telephone Number:

1-800-424-9300

Address (Number, Street, City, State, and Zip Code)

101 Grobric Ct #1

Telephone Number for Information:

1-800-571-7347

Fairfield, CA 94534

Date Prepared

01-15-2007

Signature of Prepare (Optional)

REGULATORY DEPT.

Section II - Hazardous Ingredients / Identity Information**Hazardous Components**

(Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	NIOSH	%(Opt.)
Homologues of methylene bisphenyl isocyanate	9016-87-9	N/D	N/D	N/D	5-10
Methylene bisphenyl isocyanate	101-68-8	3mg/m3	0.2 mg/ m ³ ceiling (STEL) 0.02 ppm ceiling (STEL)	N/D	1-5
Polypropylene Polyol	25322-69-4	N/D	N/D	N/D	5-15

This product is not known to contain any compounds listed and in quantities requiring reporting under SARA Title III Section 313.

Any substance listed as hazardous by the State of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

Section III - Physical Chemical Characteristics

Boiling Point	—	Specific Gravity (H₂O = 1)	1.22
Vapor Pressure (mm/Hg)	0.0003	Melting Point	N/A
Vapor Density (Air=1)	—	Evaporation Rate (Butyl Acetate=1)	—
Solubility in Water	Insoluble	pH	—
Appearance and Odor— Fiberglass cloth, coated with viscous resin with no odor.		% Volatiles by Volume	Negligible

Section IV – Fire and Explosion Hazard Data

USA Flame Projection Test (ASTM D-3065)	Flammable Limits	LEL	UEL
Pensky-Martens Closed Cup	370°F	N/A	N/A

Extinguishing Media – Carbon dioxide, foam, dry chemical. Water spray for large fire.

Special Fire Fighting Procedures – Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters. During a fire, MDI vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. At temperatures greater than 400°F, polymeric MDI can polymerize and decompose which can cause pressure build-up in closed containers. Explosive rupture is possible. Therefore, use cold water to cool fire-exposed containers.

Unusual Fire and Explosion Hazards – None

Section V – Reactivity Data

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid – Contamination with water. Contact with moisture, other materials, which can react with isocyanates or temperatures above 400°F, may cause polymerization.	Hazardous Polymerization	May Occur	×
	Stable	×			Will Not Occur	<input type="checkbox"/>

Incompatibility (Materials to Avoid) –

Water, amines, strong bases, alcohols. Will cause some corrosion to copper alloys and aluminum.

Hazardous Decomposition Products – Carbon monoxide, oxides of nitrogen, traces of HCN, MDI vapors or aerosols.

Hazardous Decomposition or Byproducts (Under Fire Conditions) –

Combustion produces carbon monoxide, oxides of nitrogen, and traces of HCN, MDI vapors or aerosols.

Section VI – Health Hazard Data

Route(s) of Entry:	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes	Yes

Health Hazards (Acute and Chronic) –

Acute Eyes—Liquid, aerosol, or vapor are irritating and can cause tearing, reddening and swelling. If left untreated, corneal damage can occur and injury is slow to heal. Damage, however is usually reversible.

Acute Skin—Isocyanates react with skin protein and moisture and can cause irritation, which may include the following symptoms: reddening, swelling, rash, scaling or blistering. Cured materials are difficult to remove.

Acute Inhalation— Although MDI is low volatility, an inhalation hazard can exist from MDI aerosols or vapors formed during heating, foaming or spraying. Can irritate mucous membranes, cause runny nose, sore throat, coughing, and other symptoms.

Acute Ingestion—Irritation and corrosive action can occur in the mouth, stomach tissue and digestive tract. Symptoms can include: sore throat, abdominal pain, nausea, vomiting and diarrhea.

Chronic Effects— prolonged skin contact can cause reddening, swelling, rash, scaling or blistering and in some cases, skin sensitization. Individuals who have skin sensitization can develop these symptoms from contact with liquid or vapor. Animal tests have indicated that respiratory sensitization can result from skin contact with MDI. These data reinforce the need to prevent direct skin contact with MDI.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Medical Conditions Generally Aggravated –Asthma, other respiratory disorders (bronchitis, emphysema, bronchial hyper reactivity), skin allergies, eczema.

Emergency and First Aid Procedures:

Eyes—Flush with copious amount of water. Preferably lukewarm, for at least 15 minutes, holding eyelids open at all times. Refer individuals to a physician or ophthalmologist for immediate follow up.

Skin—Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. For severe exposures, get under safety shower after removing clothing, then get medical attention. For lesser exposures, seek medical attention if irritation develops or persists after area is washed.

Inhalation—Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic-type symptoms may develop and may b immediate or delayed up to several hours. Consult physician should this development occur.

Ingestion—Do not induce vomiting. Give one to two cups of milk or water to drink. Do not give anything by mouth to an unconscious person consult a physician.

Section VII – Precautions For Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled–

Normal housekeeping practices. Pick up and contain any spilled material.

Recommended Disposal– Dispose of materials according to the applicable Federal, State, or local regulations.

Precautions to be Taken in Handling and Storing –

No special procedures are necessary when handling this product. Store in a well-ventilated, cool, dry place.

Section VIII – Control Measures

Respiratory Protection (Specify Type) –

Not required under anticipated use conditions.

Protective Gloves – Permeation resistant gloves.	Eye Protection – Wear appropriate safety glasses with side shields	Ventilation – Adequate
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Other protective Clothing or Equipment – None

Work/Hygienic Practices – Observe goo

d hygiene. Wash hands thoroughly after eating, drinking, and using restrooms, etc.

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HEALTH
FLAMMABILITY

HMIS

1 REACTIVITY 0
1 PERSONAL PROTECTION B

Identity (As Used On Label and List)

B4152 Pipe Bond-Emergency Repair Kit Steelman

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufactured for:

OMEGA INDUSTRIAL SUPPLY, INC

Emergency Telephone Number:

1-800-424-9300

Address (Number, Street, City, State, and Zip Code)

101 Grobric Ct #1

Telephone Number for Information:

1-800-571-7347

Fairfield, CA 94534

Date Prepared

06-07-2005

Signature of Prepare (Optional)

REGULATORY DEPT.

Section II - Hazardous Ingredients / Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

CAS No.

OSHA PEL

ACGIH-TLV

Other Limits

Recommended.

%(Opt.)

Glycidyl Ethers of Bisphenol A resins

25068-38-6

N/E

N/E

10-30

Tri (dimethylaminoethyl) phenol

90-72-2

0.10mg/m³

N/E

0.5-1.5

All ingredients in this product are listed in the T.S.C.A Inventory

Any substance listed as hazardous by the State of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

Section III - Physical Chemical Characteristics

Boiling Point

Specific Gravity (H₂O = 1)

Concentrate

1.9

% Volatile

0%

VOC

<1.0%

Vapor Density (Air=1)

Evaporation Rate (Butyl Acetate = 1)

Solubility in Water

Insoluble

Note: The physical data represented above are typical values and should not be construed as a specification. For additional physical data and details on use please obtain a data sheet on this product.

Appearance and Odor— Metallic/white with mercaptan/sulfur odor.

Section IV – Fire and Explosion Hazard Data

Flammability Class

IIIB

Flash Range

None

LEL

N/A

UEL

N/A

Extinguishing Media – Water spray, CO₂, dry chemicals.

Fire Fighting Procedures – Fire fighters and others who may be exposed to the product of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

Unusual Fire and Explosion Hazards – CO, aldehydes, acids, oxides of sulfur & nitrogen may be formed

Section V – Reactivity Data

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid – None
	Stable	X	

Incompatibility (Materials to Avoid) – None

Hazardous Decomposition or Byproducts – CO, aldehydes, acids, oxides of sulfur & nitrogen.

Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid – None
	Will Not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry:	Eyes? Yes	Inhalation? No	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic) –
See Below

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and symptoms of Exposure:

Eyes— Possible irritation and sensitizer.
Skin— Possible irritation and sensitizer.
Inhalation—None
Ingestion—Irritation of intestinal tract.

Medical Conditions Generally Aggravated –None Known

Emergency and First Aid Procedures.

Eyes—Flush with water, consult a physician.
Skin—Wash with soap and water.
Inhalation—Remove to fresh air.
Ingestion—Seek medical advice. Do not give anything to an unconscious person.

Section VII – Precautions For Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled.
 Dispose of in a normal manner.

Waste Disposal Method – Dispose of residue in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing –
 Storage Temperature <90°F (32°C) Storage Conditions: Store in a cool, dry, well-ventilated area.

Other Precautions –
 Container can be hazardous when empty. Follow label cautions even after the container is empty since empty containers could retain product residues. Do not re-use empty containers for food, clothing, or products for human or animal consumption or where skin contact can occur.

Section VIII – Control Measures

Respiratory Protection (Specify Type) –
 None required unless sanding or abrading.

Ventilation	Local Exhaust	Only if heated above 100°F (38°C)	Special
	Mechanical (General)	None Required	Other

Protective Gloves –Appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation. **Eye Protection** – Safety glasses.

Other protective Clothing or Equipment – None Required

Work/Hygienic Practices – Observe good hygiene. Wash hands thoroughly after eating, drinking, and using restrooms, etc.

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PERSONAL PROTECTION

Identity (As Used On Label and List)

B4152 Pipe Bond Emergency Kit

Super Wrap

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

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OMEGA INDUSTRIAL SUPPLY, INC

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Fairfield, CA 94534

Date prepared

06-2006

Signature of Prepare (Optional)

REGULATORY DEPT.

Section II - Hazardous Ingredients / Identity Information

Hazardous Components

(Specific Chemical Identity, Common Name(s))

CAS No.

OSHA PEL

ACGIH-TLV

Other Limits

Recommended.

%(Wt.)

None

This product is not known to contain any compounds listed and in quantities requiring reporting under SARA Title III Section 313.

Any substance listed as hazardous by the State of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

Section III - Physical Chemical Characteristics

Boiling Point

N/A

Specific Gravity (H₂O = 1)

Concentrate

Vapor Pressure

N/A

Total VOC

Vapor Density (Air=1)

N/A

Evaporation Rate (Butyl Acetate = 1)

Solubility in Water

3% by weight

pH

Appearance and Odor— Soft silicone tape, various colors, no odor.

Section IV – Fire and Explosion Hazard Data

USA Flame Projection Test (ASTM D-3065)

N/A

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media – None Listed

Special Fire Fighting Procedures –Recommend self-contained breathing apparatus for serious fires. Products of combustion same as ordinary combustibles: Carbon, carbon dioxide, carbon monoxide, oxides of nitrogen and sulfur: dense smoke emitted when burned.

Unusual Fire and Explosion Hazards – None Listed.

Section V – Reactivity Data

Stability	Unstable	<input type="checkbox"/>	Conditions to Avoid –
	Stable	<input checked="" type="checkbox"/>	

Incompatibility (Materials to Avoid) -

Hazardous Decomposition or Byproducts –

Hazardous Polymerization	May Occur	<input type="checkbox"/>	Conditions to Avoid – None Listed
	Will Not Occur	<input checked="" type="checkbox"/>	

Section VI – Health Hazard Data

Route(s) of Entry:	Eyes? No	Inhalation? No	Skin? Yes	Ingestion? YEs
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Health Hazards (Acute and Chronic) –
See Below

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and symptoms of Exposure:

Eyes—Possible mechanical injury

Skin—Prolonged contact should be avoided, may cause redness and/or irritation.

Inhalation—Not likely to be a problem because of physical form; mechanical suffocation

Ingestion— Not likely to be a problem because of physical form.

Medical Conditions Generally Aggravated –None Known

Emergency and First Aid Procedures.

Eyes—Mechanical injury only. Stain for evidence of corneal injury

Skin—No first aid measures normally required. Wash skin with soap and water.

Inhalation— No first aid measures normally required

Ingestion— No first aid measures normally required

Section VII – Precautions For Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled.

Salvage if possible, landfill or incinerate per local, state, provincial, or federal EPA regulation.

Waste Disposal Method – Landfill or incinerate per local, state and provincial or federal EPA regulations..

Precautions to be Taken in Handling and Storing –

None Listed

Other Precautions –None

Section VIII – Control Measures

Respiratory Protection (Specify Type) –

Not normally needed

Ventilation	Local Exhaust	Good room ventilation usually adequate for most operations	Special Mechanical (General)
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Protective Gloves –

None Required

Eye Protection –

Not normally necessary. Safety glasses without face shield are recommend.

Other protective Clothing or Equipment – None

Work/Hygienic Practices – Observe good hygiene. Wash hands thoroughly after eating, drinking, and using restrooms, etc.