

Strong Arm Rigid Fix

MSDS

MATERIAL SAFETY DATA SHEET

1 - PRODUCT IDENTIFICATION

SOLD BY: Continental Research Corporation
 PO Box 15204
 St. Louis, MO 63110
PHONE: 800-325-4869
PRODUCT NAME: Strong Arm Rigid (Part A)
PRODUCT USE: Crack Repair to be mixed with Part B
MSDS DATE: 4/11/09
HAZARD RATING: Health: 1 Fire: 1 Reactivity: 0 PPI: B

2 - INGREDIENT AND HAZARD INFORMATION

SPECS/ROUTE	Ingredient Name	CAS Number	LD	LD
1 mg/kg (rabbit)	Bisphenol A resin	25086-99-8	5000 mg/kg (rat)	2000
2 m/kg (rat)	Epichlorohydrin (<5 ppm)	106-89-8	175 mg/kg (rat)	2165

3 - PHYSICAL DATA

Form..... Liquid
 Appearance/Color..... Clear viscous liquid
 Odor..... None
 Solubility..... Practically insoluble
 Boiling Range..... No Data
 Vapor pressure (mmHg)..... 1.0 mmHg Freezing
 Melting Point..... No Data
 Evaporation Rate..... Slower than Butyl Acetate
 pH..... 6
 Specific Gravity..... N/A
 Vapor Density..... Heavier than air

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method, DIN) 400° F
 No material rating Flash Point
 Flammability Limits: Will not sustain flame
 Test Method: DIN, Seta Flash
 Auto Ignition Temp: N/A
 Extinguishing Media: Use carbon dioxide or dry chemical for small fires, aqueous foam or water for large fires.
 Unusual Hazards: Closed containers may rupture (due to heat build up)
 Sensitivity to Static Discharge: None
 Sensitivity to Impact: None
 Fire Fighting: Remove all ignition sources. Wear self contained breathing apparatus and complete personal protective equipment when entering confined areas where there is a potential of exposure to vapors or products of combustion.

5 - HEALTH HAZARD DATA/FIRST AID

Eyes:	Flush with plenty of water for at least 15 minutes and seek medical attention.
Skin:	Wash contact area with soap and water for 15 minutes.
Inhalation:	If exposed to high concentration of vapor or mist due to incineration, remove person to fresh air. If breathing has stopped, give artificial respiration and seek medical attention.
Ingestion:	If appreciable quantities are swallowed seek medical attention.

6 - STABILITY AND REACTIVITY DATA

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Incompatibility:	None.
Hazardous Decomposition Products	Fumes produced when heated to decomposition may include: carbon monoxide and carbon dioxide.

7 - SPILL OR LEAK INFORMATION

Steps to be Taken

Spills or Leaks:	Dike spill; absorb with inert material and dispose. Flush area with water. Prevent washing from entering waterways. Waste Disposal Method: Incinerate or mix with Part B to create an inert material. Treatment in accordance with all regulations.
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8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Route of Entry:	Eyes, Skin, Inhalation, Injection
Exposure Limits:	None Established
Effects of Acute Exposure:	Ingestion of this material would be slightly toxic – LO50, 2 to 19g/kg. Heating of material can generate vapors that may cause headaches, nausea, dizziness and respiratory irritation if inhaled. Prolonged skin contact may cause moderate injury (reddening, swelling) & transient irritation.
Effects of Chronic Exposure:	Sensitizer may cause mild allergic reaction.
Other Exposure Information: <i>Mutagenicity:</i> A two year	<i>Carcinogenicity, Reproductive Toxicity, Teratogenicity,</i> painting study on rodents showed no significant carcinogenic effect. <i>Toxicologically Synergistic Products:</i> None

PROTECTION:

Respiratory Protection:	Wear a properly fitted IMIOSH/MSHA approved respirator whenever exposure to vapor/mist is likely unless level is below applicable limits.
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Ventilation:	Local exhaust is recommended when appropriate to control employee exposure. Only needed if material is heated above 120° F. No vapor normally.
Protective Gloves:	For operations with contact, wear impervious gloves.
Eye Protection:	Standard safety glasses.
Other Protective Equipment:	For operators with contact, rubber foot covering is recommended.

9 - HANDLING AND STORAGE

Storage Temperature:	> 32° F
Storage Condition:	Keep container closed.
Transfer:	Follow good manufacturing and handling practices
Other:	Avoid long term contamination of skin. Discard contaminated shoes. Wash clothing.

10 - REGULATORY INFORMATION

PROPER SHIPPING NAME: Not classified as dangerous in the meaning of transport regulations.
Not DOT regulated.

NOTE:

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions – in addition to those described herein – are required. Any health hazard and safety information herein should be passed on to your customers or employees as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Continental Research Corporation assumes no responsibility for personal injury or property damage to vendees, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

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 St. Louis, MO 63110
 800-325-4869

PHONE: 800-325-4869

PRODUCT NAME: Strong Arm Rigid (PART B)
 PRODUCT NUMBER: AF330, AF331, AF332, AF333
 PRODUCT USE: Crack Repair, to be mixed with Part A
 MSDS DATE: 4/11/07

HAZARD RATING: Health: 1 Fire: 1 Reactivity: 0 PPI: B

2 - INGREDIENT AND HAZARD INFORMATION

SPECS/ROUTE	Ingredient Name	CAS Number	LD	LD
1	Nonylphenol	25154-52-3	N/A	N/A
2	Epichlorohydrin (<1ppm)	106-89-8	175 mg/kg (rat)	2165

mg/kg (rat)

3 - PHYSICAL DATA

Form..... Soft Putty

Appearance/Color..... Light brown viscous liquid

Odor..... Mild

Solubility..... Practically insoluble

Boiling Range..... No Data

Vapor pressure (mmHg)..... 1.0 mmHg Freezing

Melting Point..... No Data

Evaporation Rate..... Slower than Butyl Acetate

pH..... 8

Specific Gravity..... N/A

Vapor Density..... Heavier than air

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method, DIN) 400° F
 No material rating Flash Point

Flammability Limits:	Will not sustain flame
Test Method:	DIN, Seta Flash
Auto Ignition Temp:	None, will not burn
Extinguishing Media:	Use carbon dioxide or dry chemical for small fires, aqueous foam or water for large fires.
Unusual Hazards:	Closed containers may rupture (due to heat build up)
Sensitivity to Static Discharge:	None
Sensitivity to Impact:	None
Fire Fighting:	Remove all ignition sources. Wear self contained breathing apparatus and complete personal protective equipment when entering confined areas where there is a potential of exposure to vapors or products of combustion.

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painting study on rodents showed no significant carcinogenic effect.
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