

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.

U. S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)



Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

SPAL-PRO XL Part "A"

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

Manufacturer's Name METZGER/McGUIRE CO.	Emergency Telephone Number (800) 223-6680 or (603) 224-6122
Address (Number, Street, City, State and ZIP Code) P.O. Box 2217 Concord, NH 03302	Telephone Number for Information Steven N. Metzger, President (800) 223-6680 or (603) 224-6122
	Date Prepared Jan. 1, 1997 (Replaces all previous dates)
	Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	
			Recommended	% (optional)
CAS #	ppm	ppm		
1. Bisphenol A/Epichlorohydrin	25068-38-6	-----	-----	
2. Alkyl Phenol	25154523	-----	-----	
3. Dibutyl Phthalate	000084-74-2	-----	-----	

ADDITIONAL INFORMATION

----- Indicates Not Established
HMIS: Health - 2, Fire - 1, Reactivity - 0
D.O.T. Hazard Class - Not Regulated
D.O.T. Classification - Resin Solution NOS

ph - 7 N/A - Not Applicable
* Potential contribution to overall exposure
is possible via skin absorption.

Section III - Physical/Chemical Characteristics

Boiling Point	Greater than 300° F	Specific Gravity (H ₂ O = 1)	1.12
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	Greater than air	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Negligible		
Appearance and Odor	Black viscous liquid; mild odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) > Greater than 400°F (PMCC)	Flammable Limits N/A	LEL -----	UEL N/A
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Extinguishing Media
Carbon dioxide or dry chemical for small fire, aqueous foam or water for large fires

Special Fire Fighting Procedures
Remove all ignition sources. Wear self-contained breathing apparatus & complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.

Unusual Fire and Explosion Hazards
Closed containers may rupture due to buildup of pressure when exposed to extreme heat.

SPAL-PRO XL Part "A" (continued)

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Excessive heat or fire

Incompatibility (Materials to Avoid)

Strong acids, amines, or mercaptans and bases can cause polymerization.

Hazardous Decomposition or Byproducts

Fumes from thermal decomposition may include carbon monoxide, carbon dioxide

Hazardous Polymerization	May Occur		
	Will Not Occur	X	

Section VI - Health Hazard Data

Effects of Overexposure

INGESTION:

Slightly toxic

INHALATION:

No specific information available. Heating can generate vapors that could cause headaches, nausea, dizziness, and respiratory irritation if inhaled.

SKIN ABSORPTION:

Slightly toxic

SKIN CONTACT:

May cause slight reddening or transient irritation. Sensitizer may cause allergic skin reaction which can be severe in certain individuals.

EYE CONTACT:

May cause slight transient irritation or injury which can persist a few days.

CHRONIC EFFECTS OF OVEREXPOSURE:

No specific information available. Products similar to this material are reported to be mutagenic (causes changes in genetic system) in some laboratory tests. Epichlorohydrin has been reported to produce cancer in laboratory animals and epidemiological studies present "weak" evidence of cancer risk to humans. Epichlorohydrin is listed in the IARC Monographs and by NTP.

SPAL-PRO XL Part "A" (continued)

Emergency and First Aid Procedures

EYE CONTACT:

Flush with plenty of water for at least 15 minutes and seek medical attention.

SKIN CONTACT:

Remove contaminated clothing and wash contact area with soap and water for 15 minutes.

INGESTION:

If appreciable quantities are swallowed, seek medical attention.

INHALATION:

In case of exposure to a high concentration of vapor or mist, remove person to fresh air. If breathing has stopped, administer artificial respiration and seek medical attention.

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled

Dike spill. Absorb with inert material and collect for disposal. Flush area with water. Prevent washings from entering waterways.

Waste Disposal Method

Incinerate or use biological treatment in accordance with federal, state, and local regulations. This material is not defined as a hazardous waste under current RCRA regulations.

Section VIII - Special Protection Information

Respiratory Protection

Wear a properly fitted NIOSH/MSHA approved respirator whenever exposure to vapor/mist is likely, unless levels are below applicable limits.

Ventilation

LOCAL EXHAUST - Recommended to control employee exposure.

MECHANICAL - Not recommended as the sole means of controlling employee exposure.

Protective Gloves

For operations where contact can occur, wear impervious gloves (neoprene).

SPAL-PRO XL Part "A" (continued)

Eye Protection

Chemical splash goggles.

Other Protective Equipment

For operations where contact can occur, coveralls, apron and rubber foot covering are recommended. A safety shower and eye wash facility should be available.

Section IX - Special Precautions

Avoid contamination of skin. Remove and thoroughly launder contaminated clothing before reuse. Discard contaminated shoes or leather items. When grinding cured (hardened) final product, use dust respirator suitable for cellulosic fibers, vapor/mist and silica dust.

Section X - Sara Title III Section 313 Information

CHEMICAL NAME	CAS #	CONCENTRATION
Epichlorohydrin	25068-38-6	1 ppm max.

Section XI - California Proposition 65 Information

This product contains the following chemicals that have been designated as cancer and/or reproductive hazards under California Proposition 65.

CHEMICAL NAME	CAS #	CONCENTRATION
Epichlorohydrin	25068-38-6	1 ppm max.

To the best of our knowledge, the information contained herein is accurate. However, Metzger/McGuire Co., does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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IDENTITY (As Used on Label and List)

SPAL-PRO XL Part "B"

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

Manufacturer's Name METZGER/McGUIRE CO.	Emergency Telephone Number (800) 223-6680 or (603) 224-6122
Address (Number, Street, City, State and ZIP Code) P.O. Box 2217 Concord, NH 03302	Telephone Number for Information Steven N. Metzger, President (800) 223-6680 or (603) 224-6122
	Date Prepared Jan 1, 1997 (Replaces all previous dates)
	Signature of Preparer (Optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	
			Recommended	% (optional)
	CAS #	ppm	ppm	ppm
1. Alkyl Phenol	25154523	-----	-----	
2. Polyoxyalkyleneamine	9046-10-0	-----	-----	
3. Modified Aliphatic Amine (Blend)	111-40-0, 80-05-7	-----	-----	
4. Polyamine (Blend)	140-31-8, 112-24-3, 111-40-0, 111-42-2 111-41-1	-----	-----	

ADDITIONAL INFORMATION

----- Indicates Not Established
HMIS: Health - 3, Fire - 1, Reactivity - 0
D.O.T. Class - Caustic Alkali Liquid NOS UN 1719 PG II
D.O.T. Hazard - Alkaline (Corrosive) Liquid

ph - 14 N/A - Not Applicable
* Potential contribution to overall exposure
is possible via skin absorption.

Section III - Physical/Chemical Characteristics

Boiling Point	Greater than 400°F	Specific Gravity (H ₂ O = 1)	Approx. 0.95
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	Greater than air	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water Negligible			
Appearance and Odor White viscous liquid, mild odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Uaed) Greater than 250° F (PMCC)	Flammable Limits N/A	LEL -----	UEL -----
Extinguishing Media Carbon dioxide or dry chemical for small fire, aqueous foam or water for large fires			
Special Fire Fighting Procedures Remove all ignition sources. Wear self-contained breathing apparatus & complete personal protective equipment when entering confined areas where potential for exposure to vapors or products of combustion exists.			
Unusual Fire and Explosion Hazards Closed containers may rupture due to buildup of pressure when exposed to extreme heat.			

SPAL-PRO XL Part "B" (continued)

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	Excessive heat or fire

Incompatibility (Materials to Avoid)

Fire, excessive heat. Premature reaction with acid and acidic curing agents and epoxy resins, bases, isocyanates, chlorinated hydrocarbons.

Hazardous Decomposition or Byproducts

Carbon monoxide, carbon dioxide, oxides of nitrogen

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Effects of Overexposure

ACUTE:

Will cause burns to skin and eyes. High concentration of vapors can cause severe irritation of eyes and respiratory tract. Liquid causes severe damage to mucous membranes if swallowed. Contains materials that could cause headaches, nausea, dizziness.

CHRONIC:

Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response. Contains polyethylene polyamines which are reported to cause liver and kidney damage on repeated overexposure.

Emergency and First Aid Procedures

EYE CONTACT:

Corrosive. Immediately flush with large amounts of water for at least 15 minutes lifting upper and lower lids occasionally. **GET IMMEDIATE MEDICAL ATTENTION.** If a physician is not immediately available, continue flushing with water.

SKIN CONTACT:

May cause skin burns. Corrosive. Immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Launder clothing before reuse and discard contaminated leather articles. Get medical attention if swelling or reddening occurs.

SPAL-PRO XL Part "B" (continued)

INHALATION:

Remove to fresh air if effects occur and administer oxygen if necessary. **GET MEDICAL ATTENTION** if effects persist. May cause respiratory sensitization in susceptible individuals.

INGESTION:

Do NOT INDUCE VOMITING. Vomiting will cause further damage to the throat. Dilute by giving water or milk to drink if victim is conscious. **GET MEDICAL ATTENTION IMMEDIATELY.**

Section VII - Spill or Leak Procedures

Steps to be taken in case material is released or spilled

Avoid contact with material. Persons not wearing appropriate protective equipment (see below) should be excluded from the area of spill until cleanup is complete. Stop spill at source, dike area to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on clay, diatomaceous earth or other absorbent and shoveled into disposal containers. Wash with steam or soapy liquid. **AVOID CHLORINATED HYDROCARBON SOLVENTS** in cleanup as they pose a hazard.

Waste Disposal Method

Dispose of as hazardous waste in accordance with federal, state, and local regulations.

Section VIII - Special Protection Information

Respiratory Protection

NIOSH approved respiratory protection (positive pressure breathing apparatus) required in the absence of proper environmental control. For emergencies, a self-contained breathing apparatus or a full-face respirator is recommended.

Ventilation

Breathing of vapors must be avoided. Ventilation must be sufficient to control vapors. This material should be confined as far as possible within sealed or covered equipment in which case normal ventilation should be adequate. Special (local) exhaust ventilation will be needed in areas where vapors are expected to be vented.

Hand Protection

Impervious gloves, neoprene or rubber.

Eye Protection

Splash-proof goggles or safety spectacles with side shields, or full-face respirator if eye discomfort from vapor is experienced.

SPAL-PRO XL Part "B" (continued)

Other Protective Equipment

Clean, body-covering clothing. Further safety equipment (apron, footwear, etc.) should be used as necessary to prevent contact with material.

Section IX - Special Precautions

1. Prevent all skin and eye contact.
2. Avoid breathing vapors.
3. Reseal partially used containers.
4. Ensure that all containers are properly labelled to prevent accidental ingestion.
5. Wash with soap and water before eating, drinking, smoking or using toilet facilities.
6. Observe conditions of good industrial hygiene and safe working practice.
7. When grinding cured (hardened) final product, use dust respirator suitable for fibrous glass, cellulosic fibers and vapor/mist.

Section X - Sara Title III Section 313 Information

CHEMICAL NAME	CAS #	CONCENTRATION
Alkyl Phenol (nonyl phenol)	25154523	-----
Polyoxyalkyleneamine	9406100	-----

Section XI - California Proposition 65 Information

This product contains the following chemicals that have been designated as cancer and/or reproductive hazards under California Proposition 65.

COMPONENT	CAS #	WT %
Alkyl Phenol (nonyl phenol)	25154523	-----
Polyoxyalkyleneamine	9406100	-----

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