

**POLYONE CORPORATION****MATERIAL SAFETY DATA SHEET****LX-A-1002 DIPPING NITRILE LATEX**Version Number 1.0  
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Print Date 2/10/2014**1. PRODUCT AND COMPANY IDENTIFICATION****POLYONE CORPORATION**  
8155 Cobb Center Drive, Kennesaw, GA 30152

Telephone : 1 (440) 930-1000 or 1 (866) POLYONE  
Emergency telephone : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure  
number or accident).

Product name : LX-A-1002 DIPPING NITRILE LATEX  
Product code : FO20032607  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight percent
N-(Hydroxymethyl)acrylamide	924-42-5	1 - 5
Sodium dodecylbenzenesulfonate	25155-30-0	5 - 10
Formaldehyde	50-00-0	0.1 - 1
Acrylamide	79-06-1	1 - 5

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

This product has not been evaluated as a whole for health effects. Information provided on the health effects of this product is based on individual components. In addition, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions.

**POTENTIAL HEALTH EFFECTS****Routes of Exposure:** : Skin contact, Inhalation, Ingestion**Acute exposure**

Inhalation : Inhalation of airborne droplets may cause irritation of the respiratory tract.  
Ingestion : May be harmful if swallowed.  
Eyes : May cause eye and skin irritation.  
Skin :

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**Chronic exposure** : Refer to Section 11 for Toxicological Information.

**Medical Conditions  
Aggravated by Exposure:** : None known.

**4. FIRST AID MEASURES**

- Inhalation** : Move to fresh air in case of accidental inhalation of vapors or fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.
- Ingestion** : Never give anything by mouth to an unconscious person. Seek medical attention if necessary. Do not induce vomiting without medical advice.
- Eyes** : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.
- Skin** : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

**5. FIREFIGHTING MEASURES**

- Flash point** : no data available
- Flammable Limits**
- Upper explosion limit** : no data available
  - Lower explosion limit** : no data available
- Auto-ignition temperature** : no data available
- Suitable extinguishing media** : Carbon dioxide (CO<sub>2</sub>), Water, Foam, Dry chemical.
- Special Fire Fighting Procedures** : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.
- Unusual Fire/Explosion Hazards** : Burning dry latex produces dense black smoke with the possibility of toxic vapors. Residual latex material contained in empty drums may decompose when burned producing toxic or irritating fumes. Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : Ensure response personnel are properly protected (see section 8 for respiratory or other protection guidelines.) Use caution as floors may be slippery.
- Environmental precautions** : The product should not be allowed to enter drains, water courses or

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the soil.

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE**

Handling : Use only in area provided with appropriate exhaust ventilation. Prolonged heating may result in product degradation. Material may settle during storage. Careful mixing without introduction of air may be necessary before use.

Storage : Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in a dry, cool place. Keep from freezing and temperature extremes.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection : A respirator is normally not required for routine handling of product in areas of good general ventilation and adequate local exhaust at processing equipment during routine operation. Airborne contaminant levels should be maintained below the occupational exposure guidelines.

Eye/Face Protection : Safety glasses with side-shields. Wear goggles or face shield during operations that present a splash potential.

Hand protection : Impervious gloves such as rubber or PVC

Skin and body protection : Long sleeved shirts and long pants are adequate for normal handling. Where operations present a splash or spill potential, employees should wear chemically resistant clothing, boots, apron, gloves, and eye/face protection.

Additional Protective Measures : Safety shoes

General Hygiene Considerations : Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practices.

Engineering measures : Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure limit(s)

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Components	Value	Exposure time	Exposure type	List:	
Formaldehyde	0.3 ppm	Ceiling Limit Value:		ACGIH	
	0.016 ppm	Recommended exposure limit (REL):		NIOSH	
	0.016 ppm	Recommended exposure limit (REL):	as formaldehyde	NIOSH	
	0.1 ppm	Ceiling Limit Value and Time Period (if specified):		NIOSH	
	0.1 ppm	Ceiling Limit Value and Time Period (if specified):	as formaldehyde	NIOSH	
	0.75 ppm	Time Weighted Average (TWA):		OSHA	
	2 ppm	Short Term Exposure Limit (STEL):		OSHA	
	0.5 ppm	OSHA Action level:		OSHA	
	0.75 ppm	Time Weighted Average (TWA):		OSHA Z1A	
	2 ppm	Short Term Exposure Limit (STEL):		OSHA Z1A	
	2 ppm 3 mg/m3	Ceiling Limit Value:		MX OEL	
	Acrylamide	0.03 mg/m3	Time Weighted Average (TWA):	Inhalable fraction and vapor	ACGIH
		0.03 mg/m3	Recommended exposure limit (REL):		NIOSH
0.3 mg/m3		PEL:		OSHA Z1	
0.03 mg/m3		Time Weighted Average (TWA):		OSHA Z1A	
0.03 mg/m3		Time Weighted Average (TWA):		MX OEL	
0.06 mg/m3		Short Term Exposure Limit (STEL):		MX OEL	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: liquid	Evaporation rate	: Slower than Butyl Acetate
Appearance	: liquid	Specific Gravity	: Not determined
Colour	: NO PIGMENT	Bulk density	: Not applicable
Odour	: slight	Vapour pressure	: Not established
Melting point/range	: not applicable	Vapour density	: Heavier than air.
Boiling Point:	: Not established	pH	: Not determined
Water solubility	: completely miscible		

**10. STABILITY AND REACTIVITY**

Stability	: The product is stable if stored and handled as prescribed.
Hazardous Polymerization	: Will not occur.

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Conditions to avoid : Extremes of temperature and direct sunlight. Keep from freezing.

Incompatible Materials : Acids, metal salts, and solvents

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**11. TOXICOLOGICAL INFORMATION**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

CAS-No.	Chemical Name	Effect	Target Organ
924-42-5	N-(Hydroxymethyl)acrylamide	Systemic effects	Liver, Respiratory system.
		Toxic	Refer to LC50 / LD50 Data on MSDS..
25155-30-0	Sodium dodecylbenzenesulfonate	Irritant	Eyes, Skin.
		Toxic	Refer to LC50 / LD50 Data on MSDS..
50-00-0	Formaldehyde	Highly Toxic	Refer to LC50 / LD50 Data on MSDS..
		Corrosive	Eyes, Skin.
		sensitizer	Skin, Respiratory system.
		Systemic effects	Eyes, Kidney, Liver, heart or circulatory system.
79-06-1	Acrylamide	Irritant	Eyes, Skin.
		Systemic effects	central nervous system (CNS), Kidney.
		Highly Toxic	Refer to LC50 / LD50 Data on MSDS..

**LC50 / LD50**

This product contains the following components which, in their pure form, have the following toxicity data:

CAS-No.	Chemical Name	Route	Value	Species
924-42-5	N-(Hydroxymethyl)acrylamide	Oral LD50Oral LD50Oral LD50	474 mg/kg 474 mg/kg 420 mg/kg	rat mouse
25155-30-0	Sodium dodecylbenzenesulfonate	Oral LD50	438 mg/kg	rat

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50-00-0	Formaldehyde	LC50 Oral LD50 Dermal LD50	203 mg/m <sup>3</sup> 42 mg/kg 270 ul/kg	rat mouse rabbit
79-06-1	Acrylamide	Oral LD50 Dermal LD50	124 mg/kg 1680 ul/kg	rat rabbit

**Carcinogenicity**

This product contains the following components which, in their pure form, have the following carcinogenicity data:

CAS-No.	Chemical Name	OSHA	IARC	NTP
50-00-0	Formaldehyde	yes	1	no
79-06-1	Acrylamide	no	2A	no

**IARC Carcinogen Classifications:**

- 1 - The component is carcinogenic to humans.
- 2A - The component is probably carcinogenic to humans.
- 2B - The component is possibly carcinogenic to humans.

**NTP Carcinogen Classifications:**

- 1 - The component is known to be a human carcinogen.
- 2 - The component is reasonably anticipated to be a human carcinogen.

**Additional Health Hazard Information:**

**Formaldehyde 50-00-0** Formaldehyde is extremely irritating to the eyes and respiratory tract. Symptoms include burning of the nose and throat, tearing, cough, chest tightness, and difficulty in breathing. Repeated skin contact with Formaldehyde can cause numbness and an allergic response. Symptoms include dryness, redness, swelling, severe burning, itching and blisters. Formaldehyde is listed as a substance that reasonably be anticipated to be carcinogenic to humans by the National Toxicology Program (NTP). It is classified as carcinogenic to humans by the International Agency for Research in cancer (IARC Monographs, Vol. 29) and is regulated by OSHA as a carcinogen (29 CFR 1910.1048).

**12. ECOLOGICAL INFORMATION**

- Persistence and degradability : no data available
- Environmental Toxicity : no data available
- Bioaccumulation Potential : no data available
- Additional advice : no data available

**13. DISPOSAL CONSIDERATIONS**

- Product : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.



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Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

**14. TRANSPORT INFORMATION**

U.S. DOT Classification : Refer to specific regulation.  
ICAO/IATA : Refer to specific regulation.  
IMO/IMDG (maritime) : Refer to specific regulation.

**15. REGULATORY INFORMATION**

US Regulations:

OSHA Status : Classified as hazardous based on components.  
TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)  
not applicable

California Proposition 65 : WARNING! This product contains a chemical known to the State of California to cause cancer., WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA Title III Section 302 Extremely Hazardous Substance

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

Chemical Name	CAS-No.	% in Product	RQ for component
Formaldehyde	50-00-0	0.10 - 1.00	100 lbs
Acrylamide	79-06-1	1.00 - 5.00	5,000 lbs

SARA Title III Section 313 Toxic Chemicals:

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

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Chemical Name	CAS-No.	Weight percent
FORMALDEHYDE	50-00-0	0.10 - 1.00
N-METHYLOLACRYLAMIDEN-METHYLOLACRYLAMIDE	924-42-5	1.00 - 5.00
ACRYLAMIDE	79-06-1	1.00 - 5.00

## Canadian Regulations:

## National Pollutant Release Inventory (NPRI)

Chemical Name	CAS-No.	Weight percent	NPRI ID#
Formaldehyde	50-00-0	0.10 - 1.00	
N-(Hydroxymethyl)acrylamide	924-42-5	1.00 - 5.00	
Acrylamide	79-06-1	1.00 - 5.00	

WHMIS Classification : D1A

## WHMIS Ingredient Disclosure List

CAS-No.
50-00-0
25155-30-0
79-06-1

DSL : All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

## National Inventories:

Australia AICS : Not determined  
China IECS : Not determined  
Europe EINECS : Listed  
Japan ENCS : Not determined  
Korea KECI : Not determined  
Philippines PICCS : Not determined**16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.





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