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### · Product identifier

- · Trade name: EP1306 B
  - Application of the substance / the mixture Epoxy Hardener

# Details of the supplier of the safety data sheet Manufacturer/Supplier: ResinLab, LLC N109 W13300 Ellsworth Drive Corrections WI 52002

- Germantown, WI 53022 1-877-259-1669
- www.resinlab.com
- Information Department: Product Safety Department: msds@resinlab.com Emergency Telephone Number: North America Chemtrec: 1-800-424-9300 (24 hours) International Chemtrec: 01-703-527-3887 (24 hours)

### 2 Hazard(s) identification

#### · Classification of the substance or mixture

- Skin Corr. 1B H314 Causes severe skin burns and eye damage.
- Skin Sens. 1 H317 May cause an allergic skin reaction.

#### · Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms



#### Signal word Danger

- · Hazard-determining components of labeling:

- Pagara-determining components of labeling: Poly(oxypropylene)diamine 3,3'-oxybis(ethyleneoxy)bis(propylamine) Bisphenol-A-(epichlorohydrin) epoxy resin 1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid Hazard statements H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. Proceeding and the statements

- Precautionary statements Do not breathe dusts or mists. Wash thoroughly after handling.

- Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

- Wash contaminated clothing before reuse. Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system: NFPA System NFPA ratings (scale 0 - 4)



NFPA special hazards (water reactivity and oxidizing property): None



Other hazards

Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

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· Chemical characterization:		
<ul> <li>Dangerous components</li> </ul>	5.	
CAS: 7429-90-5 EINECS: 231-072-3 Index number: 013-001-00-6 RTECS: BD 0330000	Aluminum Flam. Sol. 2, H228; Water-react. 2, H261	_ 40-50%
CAS: 9046-10-0	Poly(oxypropylene)diamine Skin Corr. 1C, H314: Eye Dam. 1, H318 Aquatic Chronic 2, H411 Aquatic Acute 3, H402	10-20%
CAS: 4246-51-9 EINECS: 224-207-2	3,3'-oxybis(ethyleneoxy)bis(propylamine) Met. Corr. 1, H290; Skin Corr. 1B, H314 Skin Sens. 1, H317	_ 10-20%
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8	Bisphenol-A-(epichlorohydrin) epoxy resin Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	_ 10-20%
CAS: 74398-71-3 EC number: 616-085-8	1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid Skin Sens. 1, H317	_ 5-<10%
CAS: 67762-90-7 EC number: 614-122-2	Siloxanes and Silicones, di-Me, reaction products with silica	1-2.5%
CAS: 112945-52-5 EINECS: 231-545-4	silicon dioxide amorphous STOT SE 3, H335	1-2.5%

If the chemical name/CAS number is proprietary and or weight percentage is listed as a range, the specific chemical identity and or percentage of composition has been withheld as a trade secret.

#### 4 First-aid measures

#### Description of first aid measures

General information:

3 Composition/information on ingredients

- Keep warm, position comfortably and cover well. Immediately remove any clothing soiled by the product. After inhalation:
- Supply fresh air and if symptoms occur call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation. After skin contact:
- Immediately wash with water and soap and rinse thoroughly. If skin irritation or rash occurs, get medical advice/attention.

After eye contact: Rinse opened eye for 10-15 minutes under running water. Then consult a doctor. Remove contact lenses if present and easy to do so; continue rinsing. Do not put any ointments, oils or medication in eyes without specific instructions. Get medical attention.

- After swallowing: If victim is unconscious; never give anything by mouth. Do NOT induce vomiting. Seek immediate medical advice.

If vomiting occurs spontaneously, keep victim's head below hips to prevent aspiration of liquid into lungs.

- Information for doctor:
  - Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed Check section 11 Toxicological Information for further relevant information.

### 5 Fire-fighting measures

· Extinguishing media Suitable extinguishing agents: Alcohol resistant foam Fire-extinguishing powder Carbon dioxide water fog Use fire fighting measures that suit the environment. For safety reasons unsuitable extinguishing agents: Water with full jet Special hazards arising from the substance or mixture In case of fire, the following can be released: ammonia nitric acid Nitrogen oxides (NOx) Formaldehyde, a skin and lung sensitizer and a regulated carcinogen, may be formed during fires. Phenolic compounds Advice for firefighters • Protective equipment: Mouth respiratory protective device. If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA fire brigades standard (29 CFR 1910.156). (Contd. on page 3)



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# Safety Data Sheet acc. to OSHA HCS

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As with any fire, wear positive-pressure self-contained breathing apparatus and full protective gear that are NIOSH approved.

#### 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
  Do not breathe gas, vapors, dusts or mists if their inhalable particles occur during use.
   Environmental precautions: Do not allow to enter sewers/ surface or ground water.
   Methods and material for containment and cleaning up:
  For large spills: provide diking or containment to minimize spreading. If possible pump and store material in appropriate container.
  For small spills: Ventilate and wash area. Collect spills and absorbant material in appropriate container.
- Ensure adequate ventilate and wash area. Concert opine and according to the first sector opine and according to the sector opine according

### 7 Handling and storage

- Handling: Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.

  - Prevent formation of aerosols. Keep away from incompatible material(s). Avoid any release into the environment. For industrial or professional use only Do not breathe dust/fumes/mist/vapor/spray. Avoid contact with eyes, skin and clothing. Keep away from heat,sparks, flames and ignition sources.
  - Observe all the personal protection requirements in Section 8.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles:
  - Found eventilation for receptacles. Keep stored in accordance with local, regional, national, and international regulations.

#### 8 Exposure controls/personal protection

#### · Control parameters

Components with limit values that require monitoring at the workplace:

67762-90-7 Siloxanes and Silicones, di-Me, reaction products with silica

- OSHA PEL Short-term value: 15 mg/m<sup>3</sup>
- US ACGIH Short-term value: 10 mg/m<sup>3</sup>

#### · Additional Occupational Exposure Limit Values for possible hazards during processing: None.

Exposure controls If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. • Personal protective equipment: • General protective and hygienic measures: Be sure to clean skin thoroughly after work and before breaks. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eves and at the end of work.

- - Avoid contact with the eyes and skin.

#### · Personal Protective Equipment (PPE)

• Breathing equipment: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended

Sufficient ventilitation in pattern and example and a second provide the product of the provide the provide the provided and the provided and

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation • Material of gloves



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Safety Glasses with side shields

• **Body protection:** Appropriate chemical resistant clothing. • **Limitation and supervision of exposure into the environment** The Engineering measures or controls, and PPE recommendations are only guidelines and may not apply to every situation. For additional information, please consult the corresponding requirements under OSHA 29 CFR 1910.94-95, and 29 CFR 1910.132-138.

9 Physical and chemical propertie	es
Information on basic physical and chen	nical properties
General Information	
Appearance: Form:	Pastv
· Color:	Grey
Odor:	Pungent
· Odor threshold:	Not determined.
· pH-value:	Not determined.
Change in condition	the determs have d
Melting point/Melting range: Boiling point/Boiling range:	Undetermined. Undetermined.
· Flash point:	>171 °C (>340 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapor pressure:	Not determined.
· Vapor Density:	not determined
Density at 20 °C (68 °F): Relative density	1.59 g/cm³ (13.269 lbs/gal) Not determined.
· Relative density · Vapor density	Not determined. Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wate	r): Not determined.
· Viscosity:	
· Dynamic:	1,850,000 mPas (25 $^{\circ}C$ ) Not determined.
Kinematic:	ivot aeterminea.
Solvent content:	0.0%
Organic solvents:     VOC content:	0.0 % 0.0 g/l / 0.00 lb/gl
Solids content:	50.5 %
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### 10 Stability and reactivity

· Reactivity Not a regulated physical hazard under GHS.

- Hazardous Reactivity and Chemical Stability Stable under normal conditions of use, storage and temperatures.
   Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat. No decomposition if used and stored according to specifications.
   Possibility of hazardous reactions in contact with incompatible materials.
   Conditions to avoid Keep away from heat, sparks, flame and any other ignition sources.
- Incompatible materials:
- Sodium hypochlorite, Nitrous acid and other nitrosating agents Metals
- Mercaptans

- Amines Oxidizing agents Strong reducing agents Acids
- Hazardous decomposition products:
- Possible in traces.

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Refer to section 5. • **Additional information:** As long as the prescribed application concentrations are maintained there is no danger that stable emulsions will form.

		nformation
	on on toxi toxicity:	cological effects
		ues that are relevant for classification:
$\overline{W}$	hile not a c	lassified acute oral hazard, the product may cause the following symptom(s):
	arrhea <sub>,</sub>	
ab Na	normai pa	in, headache, nausea, vomiting, drowsiness ed acute oral hazard.
7429-90-5		
0ral	LD50	> 15900 mg/kg (rat) (OECD TG 401)
Orai	LDOU	No death; no changes in gross pathology or clinical signs. Reference: ECHA (2011).
Dermal	LD50	(No data available) Based on the acute oral toxicity test, it was expected that toxicity to mammals via dermal application of the substanc was not a significant concern and resulted in a similar lack of acute toxicity. Thus, the substance was not classified a an acute dermal hazard.
Inhalative	LC50/4 h	(No data available) Due to wetted form of the substance, inhalative effects from dust form can be seen as negligible. Meanwhile, base on the acute oral toxicity test, it was expected that toxicity to mammals via inhalation of the substance was not significant concern and resulted in a similar lack of acute toxicity. Thus, the substance was not classified as an acut inhalation hazard.
9046-10-0	Poly(oxy	propylene)diamine
Oral	LD50	2885 mg/kg (rat) (similar to OECD guideline 401) Reference: Vendor SDS (2015).
Dermal	LD50	2980 mg/kg (rabbit) (similar to OECD guideline 402) Reference: Vendor SDS (2015).
		not classified mg/l (read across from 101-68-8) (Exposure Time 8h)
		is(ethyleneoxy)bis(propylamine)
Oral	LD50	3160 mg/kg (rat)
Dermal	LD50	2500 mg/kg (rabbit) (Calculated from LD50 of 2.5 mL/kg)
		(No data available)
		ol-A-(epichlorohydrin) epoxy resin
Oral	LD50	11400 mg/kg (rat)
	LD50	20000 mg/kg (rabbit) (Test guideline not available)
		(Test species: n/a) (Toxicity not expected based on the acute oral data)
		ropanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)
		(Test species: n/a) (Toxicity not expected based on the acute oral data)
		es and Silicones, di-Me, reaction products with silica
Oral	LD50	>5000 mg/kg (rat) (test method not specified)
Dermal	LD50	(Test species: n/a) (Toxicity not expected based on acute oral data)
Inhalative		
112945-52	2-5 silicon	dioxide amorphous
Oral	LD50	> 3160 mg/kg (mouse)
		> 5000 mg/kg (rat) (OECD TG 401 A)
Dermal	LD50	> 2000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 2.08 mg/l (rat)
	ocific cur	notomo in biological appartu Not a classified acute dormal bazard
·Pr		nptoms in biological assay: Not a classified acute dermal hazard. ant effect:
	ot a classifi	ed acute inhalative hazard.
	on the s	kin: Caustic effect on skin and mucous membranes.
. 64	· ON INE E	<b>ye:</b> Strong caustic effect. <b>n</b> : Sensitization possible through skin contact.
Additi	onal toxic	n Sensitzation possible through skin contact. ological information:
The pr Corros	roduct sho sive	vs the following dangers according to internally approved calculation methods for preparations:
Irritant Swallo	wing will le	ead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach. (Contd. on page



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Carcinogenic categories	for Research on Conserv
IARC (International Agency f 112945-52-5 silicon dioxide amorphous	for Research on Cancer)
NTP (National Toxicology Pr	ogram)
None of the ingredients is listed.	
<ul> <li>OSHA-Ca (Occupational Safe</li> </ul>	ety & Health Administration)
None of the ingredients is listed.	
2 Ecological information	
· Toxicity	
· Aquatic toxicity:	
7429-90-5 Aluminum	
EC50 not irritating mg/kg (rabbit) (OECD 7 Erythema and edema: 0 (Mean scor Reference: ECHA (2011).	TG 404) re of all treated animals; Time point: 24+48+72 hrs); the substance was not irritating to skin.
9046-10-0 Poly(oxypropylene)diamine	
EC50 corrosive mg/kg (rabbit) (similar to C	OECD guideline 404)
Reference: Vendor SDS`2015	
4246-51-9 3,3'-oxybis(ethyleneoxy)bis(p	
EC50 corrosive mg/kg (rabbit) (serious an	
25068-38-6 Bisphenol-A-(epichlorohydri	in) epoxy resin
EC50 irritating mg/kg (rabbit)	
	12-(oxiranyImethoxy)-9-octadecanoic acid
EC50 slightly irri. mg/kg (Test species: n/a Based on manufacturer's test result, Reference: Hexion (M)SDS (2003).	a) t, the substance was slightly irritating to skin (Category 3).
67762-90-7 Siloxanes and Silicones, di-l	Me reaction products with silica
EC50 Non-irritating mg/kg (Test species: r	
112945-52-5 silicon dioxide amorphous	
EC50 not Irritating mg/kg (rabbit) (OECD 7	
<ul> <li>Persistence and degradability No further</li> <li>Behavior in environmental systems:</li> <li>Bioaccumulative potential No data a</li> </ul>	r relevant information available.
<ul> <li>Mobility in soil No further relevant info</li> </ul>	iormation available. oroduct is non-rapid degradable, and low or not highly bioaccumulative.
Water hazard class 2 (Self-assessmen	nt): hazardous for water
Do not allow product to reach ground v	water, water course or sewage system.
Must not reach bodies of water or drain	nage ditch undiluted or unneutralized.
Danger to drinking water if even small	quantities leak into the ground.
• Results of PBT and vPvB assessment • PBT: None of the ingredients is listed.	
• <b>vPvB</b> : None of the ingredients is listed	1
vPvB: None of the ingredients is listed Other adverse effects No further relevant	Information available.
3 Disposal considerations	
• Waste treatment methods • Recommendation: Must be specially treated adhering to o Must not be disposed of together with	official regulations. household garbage. Do not allow product to reach sewage system.
Uncleaned packagings: Recommendation: Dispose of accord.	
4 Transport information	
UN-Number	
DOT IMDG IATA	LIN2735

· DOT, IMDG, IATA	UN2735
· UN proper shipping name · DOT	Amines, liquid, corrosive, n.o.s. (Diethyleneglycol aminopropyl ether)
·IMDG	AMINES, LIQUID, CORROSIVE, N.O.S. (Diethyleneglycol)
· IATA	aminopropyl ether), MARINE POLLÜTANT AMINES, LIQUID, CORROSIVE, N.O.S. (Diethyleneglycol aminopropyl ether)

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#### 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture SARA Section 355 (extremely hazardous substances): None of the ingredients is listed. · SARA Section 313 (Specific toxic chemical listings): 7429-90-5 Aluminum 40-50% · SARA Section 311/312 (Hazardous Chemical Inventory Reporting) 10-20% 9046-10-0 Poly(oxypropylene)diamine Α A, C 10-20% A, C 10-20% 4246-51-9 3,3'-oxybis(ethyleneoxy)bis(propylamine) 25068-38-6 Bisphenol-A-(epichlorohydrin) epoxy resin 74398-71-3 1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid A, C 5-<10% · Hazard Abbreviations for SARA 311/312 (Contd. on page 8)



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A - Acute Health Hazard C - Chronic Health Hazard F - Fire Hazard R - Reactive Hazard S - Sudden Release of Pressure Hazard TSCA (Toxic Substances Control Act): 7429-90-5 [Aluminum 9046-10-0] Poly(oxpropylene)diamine 4246-51-9 [3,3'-oxybis(ethyleneoxy)bis(propylamine) 25068-33-6 [Bisphenol-A-(epichlorohydrin) epoxy resin 74398-71-3 ] 1, 2, 3-Propanetizyl ester of 12-(oxiranylimethoxy)-9-octadecanoic acid 67762-90-7 [Silvanes and Silkones, di-Me, reaction products with silica • Proposition 65 • Chemicals known to cause cancer: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed. • Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause cancer: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • ITV (Threshold Limit Value established by ACGIH) 7/29-90-5] Aluminum • NOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed. • International Regulation Lists • International Regulation Lists • Altional regulations: • Japanese Existing Chemical Substances: All ingredients are listed. • Chronese Chemical Inventory of Existing Chemical Substances: All ingredients are listed. • Korean Existing Chemical Inventory: All ingredients are listed. • European Pre-registered substances: All ingredients are listed. • European Pre-registered substances: All ingredients are listed. • E	le name: EP1306 B	
A - Acute Health Hazard C - Chronic Health Hazard F - Fire Hazard R - Reactive Hazard S - Sudden Release of Pressure Hazard TSCA (Toxic Substances Control Act): 7429-90-5 [Aluminum 9046-10-0] Poly(oxpropylene)diamine 4246-51-9 [3,3'-oxybis(ethyleneoxy)bis(propylamine) 25068-33-6 [Bisphenol-A-(epichlorohydrin) epoxy resin 74398-71-3 ] 1, 2, 3-Propanetizyl ester of 12-(oxiranylimethoxy)-9-octadecanoic acid 67762-90-7 [Silvanes and Silkones, di-Me, reaction products with silica • Proposition 65 • Chemicals known to cause cancer: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed. • Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause cancer: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chloro-2, 3-epoxypropane • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • Chemicals known to cause developmental toxicity: None of the ingredients is listed. • ITV (Threshold Limit Value established by ACGIH) 7/29-90-5] Aluminum • NOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed. • International Regulation Lists • International Regulation Lists • Altional regulations: • Japanese Existing Chemical Substances: All ingredients are listed. • Chronese Chemical Inventory of Existing Chemical Substances: All ingredients are listed. • Korean Existing Chemical Inventory: All ingredients are listed. • European Pre-registered substances: All ingredients are listed. • European Pre-registered substances: All ingredients are listed. • E		(Contd. of pa
R - Reactive Hazard         S - Sudden Release of Pressure Hazard         ''TSCA (Toxic Substances Control Act):         7429-90-5 Aluminum         9046-10-0 [Poly(oxypropylene)diamine)         25068-38-6 [Bisphenol-A-(epichlorohydrin) epoxy resin         74398-71.3 [1, 2, 3-Propanetryl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid         7672-90-7] Siloxanes and Silicones, di-Me, reaction products with silica         · Proposition 65         · Chemicals known to cause cancer:         106-89-8] 1-chloro-2, 3-epoxypropane         · Chemicals known to cause reproductive toxicity for females:         None of the ingredients is listed.         · Chemicals known to cause experoductive toxicity for males:         106-89-8] 1-chloro-2, 3-epoxypropane         · Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         · Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         · Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         · TLV (Threshold Limit Value established by ACGIH)         ? 429-90-5 [Aluminum         · Hortrational Regulation Lists         · Ohiese Chemical Inventory of Existing Chemical Substances:         All ingredients are listed.         · International Regulation Lists<	A - Acute Health Haza	、 · ·
R - Reactive Hazard         S - Sudden Release of Pressure Hazard         ''TSCA (Toxic Substances Control Act):         7429-90-5 Aluminum         9046-10-0 [Poly(oxypropylene)diamine)         25068-38-6 [Bisphenol-A-(epichlorohydrin) epoxy resin         74398-71.3 [1, 2, 3-Propanetryl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid         7672-90-7] Siloxanes and Silicones, di-Me, reaction products with silica         · Proposition 65         · Chemicals known to cause cancer:         106-89-8] 1-chloro-2, 3-epoxypropane         · Chemicals known to cause reproductive toxicity for females:         None of the ingredients is listed.         · Chemicals known to cause experoductive toxicity for males:         106-89-8] 1-chloro-2, 3-epoxypropane         · Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         · Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         · Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         · TLV (Threshold Limit Value established by ACGIH)         ? 429-90-5 [Aluminum         · Hortrational Regulation Lists         · Ohiese Chemical Inventory of Existing Chemical Substances:         All ingredients are listed.         · International Regulation Lists<	C - Chronic Health Ha	
S - Sudden Release of Pressure Hazard (TGxic Substances Control Act): 7429-90-5 Aluminum 906-10-0 Poly(oxpropylene)diamine 426-51-9 3.3-oxybis(ethyleneoxy)bis(propylamine) 25008-36-6 Bisphenol-A-(epichlorohydrin) epoxy resin 25008-36-6 Bisphenol-A-(epichlorohydrin) epoxy resin 77782-90-7 Siloxanes and Silcones, di-Me, reaction products with silca PPoposition 65 PPoposition 65 Chemicals known to cause cancer: 106-89-8] 1-chioro-2, 3-epoxypropane Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed. Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chioro-2, 3-epoxypropane Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chioro-2, 3-epoxypropane Chemicals known to cause reproductive toxicity for males: 106-89-8] 1-chioro-2, 3-epoxypropane Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: None of the ingredients is listed. Chemicals known to cause terproductive toxicity: Chemical Reputry of Existing Chemical Substances: All ingredients are listed. Chemical Reputry of Existing Chemical Substances: All ingredients are listed. Chemical Reputry of Existing Chemical Substances: All ingredients are listed. Chemicals are listed. Chercanes Chemical Inventory: All ingredients are listed. Chercanes are	R - Reactive Hazard	
· TSCA (Toxic Substances Control Act):         7429-90-5; Aluminum         9046-10-0         Poly(oxypropylene)diamine)         2426-51-9; 3.3-oxybis(ethyleneoxy)bis(propylamine)         25068-38-6; Bisphenol-A-(epichiorohydrin) epoxy resin         74398-71-3; 1, 2, 3-Propanetriyl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid         7762-90-7; Siloxanes and Silicones, di-Me, reaction products with silica         · Chemicals known to cause cancer:         106-89-8] 1-chloro-2, 3-epoxypropane         · Chemicals known to cause reproductive toxicity for females:         None of the ingredients is listed.         · Chemicals known to cause reproductive toxicity:         None of the ingredients is listed.         · Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         · Carcinogenic categories         · EPA (Environmental Protection Agency)         None of the ingredients is listed.         · Alloyed (Liminum         · NIOSH-Ca (National Institute for Occupational Safety and Health)         None of the ingredients is listed.         · International Regulation Lists         · International Regulation Lists         · International Regulation Lists         · Other is are listed.         · Other is are listed.         · International Regulations:: <td>S - Sudden Release o</td> <td>ssure Hazard</td>	S - Sudden Release o	ssure Hazard
09046-10-0]       Poly(oxypropylene)diamine         4246-51-9       3.3'-oxybis(ethyleneoxy)bis(propylamine)         22068-38-6       Bisphenol-A-(epichlorohydrin) epoxy resin         74398-71-3       1, 2, 3-Propanetryl ester of 12-(oxiranylmethoxy)-9-octadecanoic acid         7762-90-7       Siloxanes and Silicones, di-Me, reaction products with silica         • Chemicals known to cause cancer:       106-89-8]         106-89-8]       1-chloro-2, 3-epoxypropane         • Chemicals known to cause reproductive toxicity for females:         None of the ingredients is listed.         • Chemicals known to cause reproductive toxicity:         None of the ingredients is listed.         • Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         • Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         • Carcinogenic categories         • EPA (Environmental Protection Agency)         None of the ingredients is listed.         • NIOSH-Ca (National Institute for Occupational Safety and Health)         None of the ingredients is listed.         • International Regulation Lists         • Chinese Chemical Inventory of Existing Chemical Substances:         · International Regulation Lists         • Chemicals are listed.         • GNerea	· TSCA (Toxic Substances	ntrol Act):
4246-51-9[3,3'-oxybis[dethyleneoxybis[propylamine]         25068-33-6[Bisphen0-A-(epichtorohydrin) epoxy resin         74398-71-3[1,2,3-Propanetity] ester of 12-(oxiranylmethoxy)-9-octadecanoic acid         67762-90-7[Siloxanes and Silicones, di-Me, reaction products with silica         • Proposition 65         • Chemicals known to cause cancer:         106-89-8[1-chloro-2, 3-epoxypropane         • Chemicals known to cause reproductive toxicity for females:         None of the ingredients is listed.         • Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         • Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         • Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         • Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         • Chemicals known to cause developmental toxicity:         None of the ingredients is listed.         • Itry (Threshold Limit Value established by ACGIH)         7429-0-5[Aluminum         • NOSH-Ca (National Institute for Occupational Safety and Health)         None of the ingredients is listed.         • International Regulation Lists         • Okineae Chemical Inventory of Existing Chemical Substances:         All ingredients are listed.<		
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All ingredients are listed.   · Korean Existing Chemical Inventory: All ingredients are listed.  · European Pre-registered substances: All ingredients are listed.  · REACh - Substances of Very High Concern (SVHC) List: None of the ingredients is listed.  · Restriction of Hazardous Substances Directive (RoHS) list:	· Japanese Existing a	ew Chemical Substance List:
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· Restriction of Hazardous Substances Directive (RoHS) list:		
		Substances Directive (BoHS) list:
	None of the ingredients is listed.	
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.		mical Safety Assessment has not been carried out

### **16 Other information**

AN ELLSWORTH ADHESIVES COMPANY

Printing date 05/19/2017

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department Issuing (M)SDS: Product Development Department
 Contact: msds @resinlab.com
 Date of preparation / last revision 05/19/2017 / 4
 \* Data compared to the previous version altered.

US