SIPLAST, INC.

Safety Data Sheet
Terapro E 1200

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Terapro E 1200

1.3 Recommended use of the chemical and restrictions on use

Epoxy resin solution for coating materials or adhesives for industrial or professional use

1.4 Supplier's details

Name	Siplast, Inc.
Address	14911 Quorum Dr. Suite 600 Dallas TX 75254
Telephone	800-922-8800

1.5 Emergency phone number

800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin Irritation, Category 2
- Skin Sensitization, Category 1

2.2 GHS label elements, including precautionary statements

Pictograms

Signal word **Warning**

Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction

Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P362+P364	Take off contaminated clothing and wash it before reuse.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing must not be allowed out of the workplace.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	Wt.%	CAS
Bisphenol a-epichlorohydrin polymer	70	25068-38-6
Oxirane, Mono[(c12-14-alkyloxy) methyl] Derivs.	5 - 10	68609-97-2
Bisphenol f-epichlorohydrin polymer	15	28064-14-4
Nonylphenol	2 - 8	25154-52-3
Hexylene Glycol	2 - 5	107-41-5

Trade secret statement (OSHA 1910.1200(i))
Criteria for listing components in this SDS are as follows: Carcinogens are listed at 0.1% or greater; hazardous components according to regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200 are listed at 1.0% or greater; non-hazardous components are not listed. This is not intended to be the complete compositional disclosure. If a "Trade Secret" "(TS)" is claimed in accordance to paragraph (i) of 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Remove victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention if cough or other symptoms develop.
In case of skin contact	Remove contaminated clothing and immediately wash affected skin area with plenty of soap and water. Seek medical attention. Either discard or wash contaminated clothing and shoes before reuse.
In case of eye contact	Immediately flush with plenty of water for two minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Have eyes examined and tested by medical personnel.
If swallowed	Make sure the victim is conscious and alert. If so, give 2-3 glasses of water to dilute. DO NOT INDUCE VOMITING.

Never give anything by mouth to an unconscious person. Immediate medical attention is required. Do not leave victim
unattended as spontaneous vomiting my occur. Lay victim on side with head lower than waist to prevent aspiration of swallowed
product. If the victim is conscious and vomiting occurs, give water to further dilute the chemical.

4.2 Most important symptoms/effects, acute and delayed
ACUTE TOXICITY: Sensitization, irritation and dermatitis.
CHRONIC EFFECTS: Data for long-term chronic effects or carcinogenicity is not known or available on this product.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Seek medical advice and/or treatment. If breathing is irregular or stopped, administer artificial respiration and call 911.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Dry Chemical, Foam, or Carbon Dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop spills or leak and to disperse vapors.

5.2 Specific hazards arising from the chemical

Hexylene glycol: Carbon oxides

5.3 Special protective actions for fire-fighters
FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (AS/NZS 1715 and AS/NZS 1716 approved or equivalent) and full protective gear. Toxic vapors may evolve. Fight fires from a safe distance or protected areas. Use of large volumes of water may produce run-off that could be toxic to wildlife and/or pose a hazardous waste disposal issue. Water may not be effective for large fires.
FIRE FIGHTING EQUIPMENT: Firefighting personnel are required to use respiratory and eye protection. Full fire protective equipment (Bunker Gear) and self-contained breathing apparatus (SCBA) is recommended to be used for all indoor fires and any significant outdoor fires. SCBA may not be required for small outdoor fires that may easily be extinguished with a portable fire extinguisher.

SECTION 6: Accidental release measures

6.2 Environmental precautions
WATER SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent the spreading of material into sources of water.

6.3 Methods and materials for containment and cleaning up
SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters.
Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any appropriate readily available material and sweep or shovel absorbed material into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly to wash the contaminated area. Do not flush to the sewer. If the area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Wear the appropriate personal protective equipment designated in Section 8, remove the leaking container to a containment area and place it into an appropriate container to prevent any further spill.

LARGE SPILL: Construct temporary dikes of dirt or sand to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any appropriate readily available material and sweep or shovel adsorbed material into closed containers for disposal. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.
Wear the appropriate personal protective equipment designated in Section 8, close or cap leaking valves and/or block or plug hole in leaking container. Remove the leaking containers to a containment area and place them into an appropriate container to prevent any further spill.
Contain material as described above and call the local fire, police, or appropriate emergency response provider for immediate emergency assistance.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Avoid breathing in vapors, mists, and aerosols. Do not allow products to contact open flame or electrical heating elements because dangerous decomposition products may form.

7.2 Conditions for safe storage, including any incompatibilities

Store and warehouse product in an appropriate area or facility. Segregate like materials together to avoid negative chemical reactions. Protect materials from excessive exposure to heat. Observe proper storage conditions and temperatures. Store between (50°F) Minimum to (75°F) Maximum

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		**ppm**	**mg/m³**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
Bisphenol a-epichlorohydrin polymer	**TWA**	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivs.	**TWA**	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
Nonylphenol	**TWA**	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
Hexylene Glycol	**TWA**	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
OSHA TABLE COMMENTS: **1**. Not Established							

8.2 Appropriate engineering controls

Proper industrial hygiene practices are required for workers and should be achieved through engineering controls including ventilation with a high turnover rate whenever feasible. When such controls are not available or not feasible to achieve full protection, respirators for workers (and others in the area) and other personal protective equipment are mandated. Exhaust air may need to be scrubbed (cleaned) or filtered to reduce environmental contamination and odors.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Wear safety goggles or safety glasses with side shields when handling and mixing this material.

Skin protection
Wear impervious compatible chemical resistant protective clothing such as neoprene or butyl rubber gloves, aprons, boots or Tyvek coveralls, as appropriate to prevent contact with skin.

Respiratory protection
For respirator selection and training, seek professional advice. Whenever workplace conditions require the use of a respirator, follow a respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements. Wear an OSHA/NIOSH approved respirator selected on its suitability to provide adequate worker protection for the chemicals used and given working conditions including the level of airborne contamination and presence of sufficient oxygen.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear straw colored liquid.
Color	straw colored
Odor	Light musty to no odor.
Odor threshold	No data available
Melting point/freezing point	Not Available
Boiling point or initial boiling point and boiling range	Not Applicable
Flammability	Not Available
Lower and upper explosion limit/flammability limit	
Flash point	> 190.5°C (375°F) Pensky-Martens CC
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
pH	No data available
Kinematic viscosity	500 to 1000 cPs at 25°C (74°F) Brookfield
Solubility	Negligible
Partition coefficient n-octanol/water (log value)	
Vapor pressure	Not Available
Evaporation rate	Not Applicable
Density and/or relative density	9.34 lb./gal. at 25°C (74°F)
Relative vapor density	

Further safety characteristics (supplemental)
(VOC): to 0 g/l Calculated
Notes: VOC listed on the SDS is for this component only. Mixed VOC for the combined product may have a different value.

(VOC): to 5 g/l Estimated After Mixed

SECTION 10: Stability and reactivity

10.1 Reactivity
Yes

10.2 Chemical stability
This material (product) is stable under normal ambient conditions of temperature and pressure. Follow recommendations for proper storage and use.

10.3 Possibility of hazardous reactions
HAZARDOUS POLYMERIZATION: No

10.4 Conditions to avoid
Avoid contact with strong acids or caustics.

10.5 Incompatible materials

Hexylene glycol: Strong acids, Strong oxidizing agents, Strong reducing agents

10.6 Hazardous decomposition products

Hexylene glycol: Carbon monoxide, carbon dioxide, aldehydes.

SECTION 11: Toxicological information

Acute toxicity

Chemical Name	ORAL LD_{50} (rat)	DERMAL LD_{50} (rabbit)
Bisphenol f-epichlorohydrin polymer	>2000 mg/kg	>2000 mg/kg

NOTES: LD50 data is not available for this product. Toxicity of this product may be attributed to a combination of the chemicals contained in this product.

Skin corrosion/irritation
Possible sensitizer to the skin.

Carcinogenicity
IARC: Not Listed by IARC.
NTP: Not listed by NTP.
OSHA: Not listed by OSHA.

Additional information
GENERAL COMMENTS: This product does not contain substances considered by OSHA, NTP, IARC or ACGIH to be "probable"or "suspected" human carcinogens.
COMMENTS: The chemical, physical, and toxicological properties have not been thoroughly investigated or tested to the best of our knowledge.

SECTION 12: Ecological information

ENVIRONMENTAL DATA: No environmental data has been established or is available for this product.

GENERAL COMMENTS: Avoid contaminating waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
See the manufacturer's instructions to mix together with the proper components of multi-component materials, and allow to harden. Dispose solids at an appropriate waste disposal facility according to current applicable laws and regulations.

Other disposal recommendations
Refer to Section 6. Accidental Release Measures for additional information.

SECTION 14: Transport information

DOT (US)
Not Regulated

IMDG
Not Regulated

IATA
Not Regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA STATUS: All ingredients in this mixture are listed with the TSCA Chemical Substance Inventory.

DOMESTIC SUBSTANCE LIST (INVENTORY): The components in this product are listed or exempt from the Canadian Domestic Substance List (DSL).

HMIS Rating

Terapro E 1200	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

NFPA Rating

SECTION 16: Other information

16.1 Further information/disclaimer

This SDS to the best of our knowledge conforms to the requirements of 2012 OSHA Hazard Communication Standard 29 CFR 1910.1200, and summarizes the health and safety hazard information and general guidance on how to safety handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Responsibility for the product sold is subject to our standard terms and conditions, a copy if which is available upon request. This company warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTY, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS, OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS FOR ANY PARTICULAR USE OR PURPOSE, OR THAT ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS OR THE USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. Liability by this company for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with the proper shipping, handling and storage procedures, and comply with all applicable safety and environmental standards. Toxicity and risk characteristics of chemical compounds and other products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.

SIPLAST, INC.

Safety Data Sheet
Terapro E 1200 Part B

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Terapro E 1200 Part B

1.3 Recommended use of the chemical and restrictions on use

Epoxy curing agent for coating materials or adhesives for industrial or professional use

1.4 Supplier's details

Name	Siplast, Inc.
Address	14911 Quorum Dr. Suite 600 Dallas TX 75254
Telephone	800-922-8800

1.5 Emergency phone number

800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 1
- Serious eye damage/irritation, Cat. 1
- Sensitization, respiratory, Cat. 1
- Sensitization, skin, Cat. 1
- Carcinogenicity, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictograms

Signal word	**Danger**
Hazard statement(s)	
H314	Causes severe skin burns and eye damage

H317	May cause an allergic skin reaction.
H302+H312	Harmful if swallowed or in contact with skin.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P310	Immediately call a POISON CENTER/doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical Name	Wt.%	CAS
Benzyl Alcohol	30	100-51-6
3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE	5-10	2855-13-2
4,4'-ISOPROPYLIDENEDIPHENOL	5-10	80-05-7
3-AMINOPROPYLDIMETHYLAMINE	5-10	109-55-7
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	5-10	90-72-2
M-PHENYLENEBIS(METHYLAMINE)	5-10	1477-55-0

Trade secret statement (OSHA 1910.1200(i))
Criteria for listing components in this SDS are as follows: Carcinogens are listed at 0.1% or greater; hazardous components according to regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200 are listed at 1.0% or greater; non-hazardous components are not listed. This is not intended to be the complete compositional disclosure. If a "Trade Secret" "(TS)" is claimed in accordance to paragraph (i) of 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Remove victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention if cough or other symptoms develop.
In case of skin contact	Remove contaminated clothing and immediately wash affected skin area with plenty of soap and water. Seek medical attention. Either discard or wash contaminated clothing and shoes before reuse.

If swallowed	Make sure victim is conscious and alert. If so, give 2-3 glasses of water to dilute. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Do not leave victim unattended as spontaneous vomiting my occur. Lay victim on side with head lower than waist to prevent aspiration of swallowed product. If victim is conscious and vomiting occurs, give water to further dilute the chemical.

4.2 Most important symptoms/effects, acute and delayed
INHALATION: Repeated and/or prolonged exposure to low concentrations of vapors may cause a "Sore Throat".
ACUTE TOXICITY: Sensitization, irritation and dermatitis.
CHRONIC EFFECTS: This product contains no listed carcinogens according to IARC, ACGIH, NTP, and/or OSHA in concentrations of 0.1 percent or greater (unless identified under section 15 of this MSDS). Repeated or prolonged contact causes sensitization, asthma, and eczema. Prolonged contact may result in chemical burns and permanent damage.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Dry Chemical, Foam, or Carbon Dioxide. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop spill or leak and to disperse vapors.

5.2 Specific hazards arising from the chemical
Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

5.3 Special protective actions for fire-fighters
FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (AS/NZS 1715 and AS/NZS 1716 approved or equivalent) and full protective gear. Toxic vapors may evolve. Fight fires from a safe distance or protected areas. Use of large volumes of water may produce run-off that could be toxic to wildlife and/or pose a hazardous waste disposal issue. Water may not be effective for large fires.
FIRE FIGHTING EQUIPMENT: Fire fighting personnel are required to use respiratory and eye protection. Full fire protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) is recommended to be used for all indoor fires and any significant outdoor fires. SCBA may not be required for small outdoor fires that may easily be extinguished with a portable fire extinguisher.

Further information
GENERAL HAZARD: Evacuate personnel upwind of a fire to avoid inhalation of irritating and/or harmful fumes and smoke.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
GENERAL PROCEDURES: Absorb spill with an emergency spill kit, diatomaceous earth, saw dust or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility following applicable laws and regulations.

6.2 Environmental precautions
WATER SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of material into sources of water.

6.3 Methods and materials for containment and cleaning up
SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any

appropriate readily available material and sweep or shovel absorbed material into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wash the contaminated area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Wear the appropriate personal protective equipment designated in Section 8, remove the leaking container to a containment area and place into an appropriate container to prevent any further spill.
LARGE SPILL: Construct temporary dikes of dirt or sand to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any appropriate readily available material and sweep or shovel adsorbed material into closed containers for disposal. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Wear the appropriate personal protective equipment designated in Section 8, close or cap leaking valves and/or block or plug hole in leaking container. Remove the leaking containers to a containment area and place into an appropriate container to prevent any further spill. Contain material as described above and call the local fire, police, or appropriate emergency response provider for immediate emergency assistance.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Avoid breathing in vapors, mists, and aerosols. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products may form.

7.2 Conditions for safe storage, including any incompatibilities

Store product in original containers. Store in a cool, dry, well ventilated area. Store and warehouse product in an appropriate area or facility. Segregate like materials together to avoid negative chemical reactions. Protect materials from excessive exposure to heat. Observe proper storage conditions and temperatures. Store between (50°F) Minimum to (75°F) Maximum

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
BENZYL ALCOHOL	TWA	[1]	[1]	[1]	[1]	10	44.2
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE	TWA	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
4,4'-ISOPROPYLIDENEDIPHENOL	TWA	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
3-AMINOPROPYLDIMETHYLAMINE	TWA	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	TWA	[1]	[1]	[1]	[1]	[1]	[1]
	STEL	[1]	[1]	[1]	[1]	[1]	[1]

OSHA TABLE COMMENTS:
1. Not Established

8.2 Appropriate engineering controls

Proper industrial hygiene practices are required for workers and should be achieved though engineering controls including ventilation with a high turnover rate whenever feasible. When such controls are not available or not feasible to achieve full protection, respirators for workers (and others in the area) and other personal protective equipment is mandated. Exhaust air may need to be scrubbed (cleaned) or filtered to reduce environmental contamination and odors.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety goggles or safety glasses with side shields when handling and mixing this material.

Skin protection

Wear impervious compatible chemical resistant protective clothing such as neoprene or butyl rubber gloves, aprons, boots or Tyvek coveralls, as appropriate to prevent contact with skin.

Body protection

Always practice "good personal hygiene" during and after use of this materials, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. DO NOT eat, drink, or smoke in work areas that contain hazardous chemicals.

Respiratory protection

For respirator selection and training, seek professional advice. Whenever workplace conditions require a use of a respirator, follow a respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements. Wear an OSHA/NIOSH approved respirator selected on its suitability to provide adequate worker protection for the chemicals used and given working conditions including the level of airborne contamination and presence of sufficient oxygen.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Color	Amber
Odor	Ammonia smell
Odor threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	> 100°C (392°F)
Flammability	No data available
Lower and upper explosion limit/flammability limit	No data available
Flash point	> 101.67°C (215°F) Pensky-Martens CC
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	Alkaline
Kinematic viscosity	
Solubility	< 0.1 g/l
Partition coefficient n-octanol/water (log value)	
Vapor pressure	< 1 mmHg
Evaporation rate	No data available
Density and/or relative density	
Relative vapor density	Not Applicable

Further safety characteristics (supplemental)
(VOC): to 0 g/l Calculated
Notes: VOC listed on the SDS is for this component only. Mixed VOC for the combined product may have a different value.

(VOC): to 5 g/l Estimated After Mixed

SECTION 10: Stability and reactivity

10.1 Reactivity
Yes

10.2 Chemical stability
This material (product) is stable under normal ambient conditions of temperature and pressure. Follow recommendations for proper storage and use.

10.3 Possibility of hazardous reactions
HAZARDOUS POLYMERIZATION: No

10.5 Incompatible materials
Reactive metals (e.g. sodium, calcium, zinc, etc.), Materials reactive with hydroxyl compounds, Organic acids (e.g. acetic acid, citric acid, etc.), Mineral acids, Sodium hypochlorite, Oxidizing agents, Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion, Product slowly corrodes copper, aluminum, zinc, and galvanized surfaces.

10.6 Hazardous decomposition products
Nitric Acid, Ammonia, Nitrogen oxides, Nitrogen oxide can react with water vapors to form corrosive nitric acid, Carbon monoxide, Carbon dioxide, Aldehydes.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Chemical Name	DERMAL LD_{50} (rabbit)
BENZYL ALCOHOL	2000 mg/kg
4,4'-ISOPROPYLIDENEDIPHENOL	3250 mg/kg
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	1280 mg/kg
3-AMINOPROPYLDIMETHYLAMINE	600 mg/kg

EYES: Severe eye irritation.
ORAL LD_{50}: 500 mg/kg (rat)
Notes: Estimated

Skin corrosion/irritation
Possible sensitizer to the skin.

Serious eye damage/irritation
Severe eye irritation.
ORAL LD50: 500 mg/kg (rat)
Notes: Estimated

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
IARC: Not Listed by IARC.
NTP: Not listed by NTP.
OSHA: Not listed by OSHA.

Reproductive toxicity
No data available.

Summary of evaluation of the CMR properties
No data available.

Specific target organ toxicity (STOT) - single exposure
No data available.

Specific target organ toxicity (STOT) - repeated exposure
No data available.

Aspiration hazard
No data available.

Additional information
The chemical, physical, and toxicological properties have not been thoroughly investigated or tested to the best of our knowledge.

SECTION 12: Ecological information

ENVIRONMENTAL DATA: No environmental data has been established or is available for this product.

GENERAL COMMENTS: Avoid contaminating waterways.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
See the manufacturer's instructions to mix together with the proper components of multi-component materials, and allow to harden. Dispose solids at an appropriate waste disposal facility according to current applicable laws and regulations.

Other disposal recommendations
Refer to Section 6. Accidental Release Measures for additional information.

SECTION 14: Transport information

DOT (US)
PROPER SHIPPING NAME: Paint
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: 3066
PACKING GROUP: III
NAERG: 153
LABEL: Corrosive
OTHER SHIPPING INFORMATION: Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code
(ADG Code) for Transport by Road and Rail. This material is hazardous according to criteria of NOHSC.

IMDG
SHIPPING NAME: Paint
UN/NA NUMBER: 3066
PRIMARY HAZARD CLASS/DIVISION: 8
PACKING GROUP: III
LABEL: Corrosive

IATA
SHIPPING NAME: Paint
UN/NA NUMBER: 3066
PRIMARY HAZARD CLASS/DIVISION: 8
PACKING GROUP: III
LABEL: Corrosive

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

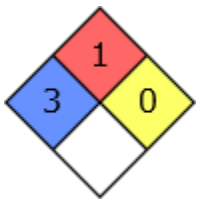
TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA STATUS: All ingredients in this mixture are listed with the TSCA Chemical Substance Inventory.

DOMESTIC SUBSTANCE LIST (INVENTORY): The components in this product are listed or exempt from the Canadian Domestic Substance List (DSL).

HMIS Rating

Terapro E 1200 Part B	
HEALTH	3
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

This SDS to the best of our knowledge conforms to the requirements of 2012 OSHA Hazard Communication Standard 29 CFR 1910.1200, and summarizes the health and safety hazard information and general guidance on how to safety handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Responsibility for the product sold is subject to our standard terms and conditions, a copy if which is available upon request. This company warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, NO GUARANTY, WARRANTY, OR REPRESENTATION IS MADE INTENDED, OR IMPLIED AS TO THE CORRECTNESS, OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS FOR ANY PARTICULAR USE OR PURPOSE, OR THAT ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS OR THE USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. Liability by this company for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with the proper shipping, handling and storage procedures,

and comply with all applicable safety and environmental standards. Toxicity and risk characteristics of chemical compounds and other products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.