

SECTION 1 . IDENTIFICATION

Product Name: DUAL COAT BASE (White and Gray) Product Code: PICOTE DC1000E BASE WHITE

Trade Name: DUAL COAT BASE

PICOTE SOLUTIONS
20810 SE 18TH PL
SAMMAMISH, WA 98075

PHONE 800-535-5053
EMERGENCY: INFOTRAC

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Ratings:

Skin corrosive 3 Reversible adverse effects in dermal tissue, Draize score:
>= 1.5 < 2.3
Skin sensitizer 1 Skin sensitizer
Carcinogen 2 Limited evidence of human or animal carcinogenicity

GHS Hazards

H316 Causes mild skin irritation
H317 May cause an allergic skin reaction
H351 Suspected of causing cancer

GHS Precautions

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P321 Specific treatment (see ... on this label)
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with soap and water
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container to ...

Signal Word: Warning



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Epoxy Resin	25085-99-8	49.00%

SECTION 1 . IDENTIFICATION

Product Name: DUAL COAT BASE (White and Gray) Product Code: PICOTE DC1000E BASE WHITE

Trade Name: DUAL COAT BASE

PICOTE SOLUTIONS
20810 SE 18TH PL
SAMMAMISH, WA 98075

PHONE 800-535-5053
EMERGENCY: INFOTRAC

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Ratings:

Skin corrosive 3 Reversible adverse effects in dermal tissue, Draize score:
>= 1.5 < 2.3
Skin sensitizer 1 Skin sensitizer
Carcinogen 2 Limited evidence of human or animal carcinogenicity

GHS Hazards

H316 Causes mild skin irritation
H317 May cause an allergic skin reaction
H351 Suspected of causing cancer

GHS Precautions

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P321 Specific treatment (see ... on this label)
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with soap and water
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container to ...

Signal Word: Warning



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Epoxy Resin	25085-99-8	49.00%

Barium Sulfate	7727-43-7	20.00% - 30.00%
Titanium Dioxide	13463-67-7	10.00% - 20.00%
Proprietary	68609-97-2	5.00% - 10.00%

SECTION 4. FIRST AID MEASURES

If inhaled remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms

Rinse immediately with plenty of water for at least 15 minutes.

Immediately wash skin with soap and plenty of water.

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: N/A

LEL: UEL:

Not applicable

Foam, Carbon dioxide (CO2) or dry chemical or water spray (water stream may be ineffective).

No information available

Not available

Firefighters, and others exposed, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Stop leak. Dike or contain spill. Pump into slavage tanks and/or absorb with suitable material. Use sparkless shovel to remove material

Use appropriate containment and clean up immediately.

Stop leak, Dike and contain spill. Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods

SECTION 7. HANDLING and STORAGE

Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Avoid exposure to heat, light, and air for prolonged periods of time.

No information available.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Epoxy Resin 25085-99-8	Not Established	Not Established	Not Established
Barium Sulfate 7727-43-7	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	5 mg/m3 TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Titanium Dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
Proprietary 68609-97-2	Not Established	Not Established	Not Established

Barium Sulfate	7727-43-7	20.00% - 30.00%
Titanium Dioxide	13463-67-7	10.00% - 20.00%
Proprietary	68609-97-2	5.00% - 10.00%

SECTION 4. FIRST AID MEASURES

If inhaled remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms

Rinse immediately with plenty of water for at least 15 minutes.

Immediately wash skin with soap and plenty of water.

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: N/A

LEL: UEL:

Not applicable

Foam, Carbon dioxide (CO2) or dry chemical or water spray (water stream may be ineffective).

No information available

Not available

Firefighters, and others exposed, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Stop leak. Dike or contain spill. Pump into slavage tanks and/or absorb with suitable material. Use sparkless shovel to remove material

Use appropriate containment and clean up immediately.

Stop leak, Dike and contain spill. Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods

SECTION 7. HANDLING and STORAGE

Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Avoid exposure to heat, light, and air for prolonged periods of time.

No information available.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Epoxy Resin 25085-99-8	Not Established	Not Established	Not Established
Barium Sulfate 7727-43-7	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	5 mg/m3 TWA (inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Titanium Dioxide 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
Proprietary 68609-97-2	Not Established	Not Established	Not Established

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

<p>Appearance: Not Applicable Vapor Pressure: 10.0 mmHg Vapor Density: N/A Specific Gravity: 1.70 Freezing point: Not Applicable Boiling range: 2500 - 3000°C Evaporation rate: Not Applicable Explosive Limits: N/A</p> <p>Autoignition temperature: N/A Viscosity: Not Applicable % Solids by Volume: 100.00 Lbs / Gal: 14.19</p>	<p>Odor: Not Applicable Odor threshold: Not Applicable pH: Not Applicable Melting point: Not Applicable Solubility: Not Applicable Flash point: 999°F, 999°C Flammability: 999°F, 999°C Partition coefficient (n- Not Applicable octanol/water): Decomposition temperature: Not Applicable % VOL by Volume: 0.00 % Solids by Weight: 7.05</p>
---	--

SECTION 10. STABILITY and REACTIVITY

STABLE

Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Mixture Toxicity
Component Toxicity

Eyes Respiratory System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
13463-67-7	Titanium Dioxide	0 to 20%	Titanium Dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

SECTION 12. ECOLOGICAL INFORMATION

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

<p>Appearance: Not Applicable Vapor Pressure: 10.0 mmHg Vapor Density: N/A Specific Gravity: 1.70 Freezing point: Not Applicable Boiling range: 2500 - 3000°C Evaporation rate: Not Applicable Explosive Limits: N/A</p> <p>Autoignition temperature: N/A Viscosity: Not Applicable % Solids by Volume: 100.00 Lbs / Gal: 14.19</p>	<p>Odor: Not Applicable Odor threshold: Not Applicable pH: Not Applicable Melting point: Not Applicable Solubility: Not Applicable Flash point: 999°F, 999°C Flammability: 999°F, 999°C Partition coefficient (n- Not Applicable octanol/water): Decomposition temperature: Not Applicable % VOL by Volume: 0.00 % Solids by Weight: 7.05</p>
---	--

SECTION 10. STABILITY and REACTIVITY

STABLE

Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Mixture Toxicity
Component Toxicity

Eyes Respiratory System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
13463-67-7	Titanium Dioxide	0 to 20%	Titanium Dioxide: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed

SECTION 12. ECOLOGICAL INFORMATION

Component Ecotoxicity

SECTION 13. DISPOSAL INFORMATION

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

SECTION 14. TRANSPORT INFORMATION

UN3082 Environmentally Hazardous Substance, Liquid N.O.S. (Epoxy Resin)
Packaging Group III:
Hazardous Class 9

Table with 5 columns: Agency, Proper Shipping Name, UN Number, Packing Group, Hazard Class

SECTION 15. REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
13463-67-7 Titanium Dioxide 10 to 20 % Carcinogen

Table with 3 columns: Country, Regulation, All Components Listed

EU Risk Phrases

Safety Phrase

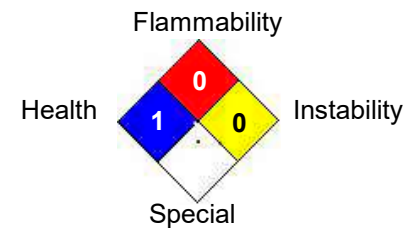
- None

SECTION 16. ADDITIONAL INFORMATION

Hazardous Material Information System (HMIS)

HMIS hazard rating table with columns for Health, Flammability, Physical Hazard, and Personal Protection.

National Fire Protection Association (NFPA)



Date revised: 2017-02-02
Date Prepared: 4/6/2017

Reviewer Revision

Component Ecotoxicity

SECTION 13. DISPOSAL INFORMATION

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

SECTION 14. TRANSPORT INFORMATION

UN3082 Environmentally Hazardous Substance, Liquid N.O.S. (Epoxy Resin)
Packaging Group III:
Hazardous Class 9

Table with 5 columns: Agency, Proper Shipping Name, UN Number, Packing Group, Hazard Class

SECTION 15. REGULATORY INFORMATION

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING!
This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
13463-67-7 Titanium Dioxide 10 to 20 % Carcinogen

Table with 3 columns: Country, Regulation, All Components Listed

EU Risk Phrases

Safety Phrase

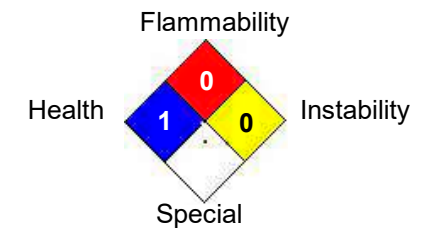
- None

SECTION 16. ADDITIONAL INFORMATION

Hazardous Material Information System (HMIS)

HMIS hazard rating table with columns for Health, Flammability, Physical Hazard, and Personal Protection.

National Fire Protection Association (NFPA)



Date revised: 2017-02-02
Date Prepared: 4/6/2017

Reviewer Revision

SECTION 1 . IDENTIFICATION

Product Name: DUAL COAT CATALYST Product Code: Picote DC1000 E CATALYST
 PICOTE SOLUTIONS PHONE 800-535-5053
 20810 SE 18TH PL EMERGENCY: INFOTRAC
 SAMMAMISH, WA 98075

SECTION 2. HAZARD(S) IDENTIFICATION**GHS Ratings:**

Oral Toxicity	Acute Tox. 2	Oral>5+<=50mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H300	Fatal if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... on this label)
P330	Rinse mouth
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container to ...

Signal Word: Danger**SECTION 1 . IDENTIFICATION**

Product Name: DUAL COAT CATALYST Product Code: Picote DC1000 E CATALYST
 PICOTE SOLUTIONS PHONE 800-535-5053
 20810 SE 18TH PL EMERGENCY: INFOTRAC
 SAMMAMISH, WA 98075

SECTION 2. HAZARD(S) IDENTIFICATION**GHS Ratings:**

Oral Toxicity	Acute Tox. 2	Oral>5+<=50mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H300	Fatal if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash ... thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... on this label)
P330	Rinse mouth
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container to ...

Signal Word: Danger



Avoid breathing vapors

Oral: N.D.A.
Dermal: N.D.A.
Inhalation: N.D.A.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Paratertiarybutylphenol	98-54-4	30.00% - 40.00%
Amine	1477-55-0	20.00% - 30.00%
1,5-Pentanediamine, 2 methyl	15520-10-2	20.00% - 30.00%
Silica	67762-90-7	5.00% - 10.00%
nonyl phenol	84852-15-3	1.00% - 5.00%

SECTION 4. FIRST AID MEASURES

If inhaled remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms

Rinse immediately with plenty of water for at least 15 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue Rinsing. Get medical attention, if irritation or symptoms of overexposure persists.

Immediately wash skin with soap and plenty of water.

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 134 C (273 F)

LEL: UEL:

Not applicable

Foam, Carbon dioxide (CO2) or dry chemical or water spray (water stream may be ineffective).

No information available

Not available

Firefighters, and others exposed, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Stop leak. Dike or contain spill. Pump into slavage tanks and/or absorb with suitable material. Use sparkless shovel to remove material. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use appropriate containment and clean up immediately.

Corrosive. Avoid personal contact adn breathing vapor or mist. Stop leak, Dike and contain spill.Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

SECTION 7. HANDLING and STORAGE

Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Avoid exposure to heat, light, and air for prolonged periods of time. Store in a cool, dry well ventilated area away from sources of heat and incompatable materials. Eliminate all ignition materials and incompatible materials. Collect



Avoid breathing vapors

Oral: N.D.A.
Dermal: N.D.A.
Inhalation: N.D.A.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Paratertiarybutylphenol	98-54-4	30.00% - 40.00%
Amine	1477-55-0	20.00% - 30.00%
1,5-Pentanediamine, 2 methyl	15520-10-2	20.00% - 30.00%
Silica	67762-90-7	5.00% - 10.00%
nonyl phenol	84852-15-3	1.00% - 5.00%

SECTION 4. FIRST AID MEASURES

If inhaled remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms

Rinse immediately with plenty of water for at least 15 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue Rinsing. Get medical attention, if irritation or symptoms of overexposure persists.

Immediately wash skin with soap and plenty of water.

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 134 C (273 F)

LEL: UEL:

Not applicable

Foam, Carbon dioxide (CO2) or dry chemical or water spray (water stream may be ineffective).

No information available

Not available

Firefighters, and others exposed, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Stop leak. Dike or contain spill. Pump into slavage tanks and/or absorb with suitable material. Use sparkless shovel to remove material. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use appropriate containment and clean up immediately.

Corrosive. Avoid personal contact adn breathing vapor or mist. Stop leak, Dike and contain spill.Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.

SECTION 7. HANDLING and STORAGE

Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Keep away from heat and flame. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

Avoid exposure to heat, light, and air for prolonged periods of time. Store in a cool, dry well ventilated area away from sources of heat and incompatable materials. Eliminate all ignition materials and incompatible materials. Collect

spill with non spark tools.
No information available.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Paratertiarybutylphenol 98-54-4	Not Established	Not Established	Not Established
Amine 1477-55-0	Not Established	0.1 mg/m3 Ceiling	NIOSH: 0.1 mg/m3 Ceiling
1,5-Pentanediamine, 2 methyl 15520-10-2	Not Established	Not Established	Not Established
Silica 67762-90-7	Not Established	Not Established	Not Established
nonyl phenol 84852-15-3	Not Established	Not Established	Not Established

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which preforms satisfactory and meets OSHA or other recognized standards. Consult with local procedures for selection, training, and maintenance of the personal protective equipment Always use adequate ventilation that comply with local regulations.

Eye/face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166

Skin Protection: Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory Protection: A NIOSH air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstance where air purifying respirator may not provide adequate protection.

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

Boiling Point 247 °C	Specific Gravity (SG) 0.965
Lbs VOC/Gallon Less Water 0.00	Lbs VOC/Gallon Less 0.00 Exempt
% VOL by Volume 0.00	

SECTION 10. STABILITY and REACTIVITY

Stable, Hazardous polymerization will not occur. Will react with Epoxy Resins especially at elevated temperatures

STABLE

Epoxy Resins under uncontrolled conditions. Mineral acids. Organic acid, oxidizers, Reacts with metals until reacted with epoxy.

None known

Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 8mg/kg
Dermal Toxicity LD50: 3,190mg/kg
Inhalation Toxicity LC50: 2,878mg/L

spill with non spark tools.
No information available.

SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Paratertiarybutylphenol 98-54-4	Not Established	Not Established	Not Established
Amine 1477-55-0	Not Established	0.1 mg/m3 Ceiling	NIOSH: 0.1 mg/m3 Ceiling
1,5-Pentanediamine, 2 methyl 15520-10-2	Not Established	Not Established	Not Established
Silica 67762-90-7	Not Established	Not Established	Not Established
nonyl phenol 84852-15-3	Not Established	Not Established	Not Established

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which preforms satisfactory and meets OSHA or other recognized standards. Consult with local procedures for selection, training, and maintenance of the personal protective equipment Always use adequate ventilation that comply with local regulations.

Eye/face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166

Skin Protection: Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory Protection: A NIOSH air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstance where air purifying respirator may not provide adequate protection.

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

Boiling Point 247 °C	Specific Gravity (SG) 0.965
Lbs VOC/Gallon Less Water 0.00	Lbs VOC/Gallon Less 0.00 Exempt
% VOL by Volume 0.00	

SECTION 10. STABILITY and REACTIVITY

Stable, Hazardous polymerization will not occur. Will react with Epoxy Resins especially at elevated temperatures

STABLE

Epoxy Resins under uncontrolled conditions. Mineral acids. Organic acid, oxidizers, Reacts with metals until reacted with epoxy.

None known

Hazardous polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 8mg/kg
Dermal Toxicity LD50: 3,190mg/kg
Inhalation Toxicity LC50: 2,878mg/L

Component Toxicity

98-54-4	Paratertiarybutylphenol Oral LD50: 3,250 µL/kg (Rat) Dermal LD50: 2,318 mg/kg (Rabbit)
1477-55-0	Amine Oral LD50: 660 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 700 ppm (Rat)
84852-15-3	nonyl phenol Oral LD50: 1,300 mg/kg (Rat) Dermal LD50: 2,031 mg/kg (Rabbit)

Eyes: Irritant to the eyes. Corrosive to Eyes
 Skin: Irritant to the skin. Corrosive to Skin
 Inhalation: Irritant to respiratory tract. Prolonged or excessive inhalation may cause respiratory tract irritation.
 Sensitization: Skin sensitization in humans.

Eyes Kidneys Liver Skin Respiratory System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
-------------------	--------------------	-----------------	--------------------------

SECTION 12. ECOLOGICAL INFORMATION

No ecotoxicity data was found for the product

Component Ecotoxicity

Paratertiarybutylphenol	96 Hr LC50 Pimephales promelas: 4.71 - 5.62 mg/L [flow-through]; 96 Hr LC50 Cyprinus carpio: 6.9 mg/L [static] 48 Hr EC50 Daphnia magna: 3.9 mg/L; 48 Hr EC50 Daphnia magna: 3.4 - 4.5 mg/L [Static] 72 Hr EC50 Desmodesmus subspicatus: 11.2 mg/L
nonyl phenol	96 Hr LC50 Pimephales promelas: 0.135 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.1351 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 0.14 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 0.36 - 0.48 mg/L [static]; 72 Hr EC50 Pseudokirchneriella subcapitata: 0.16 - 0.72 mg/L [static]; 72 Hr EC50 Desmodesmus subspicatus: 1.3 mg/L

SECTION 13. DISPOSAL INFORMATION

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

SECTION 14. TRANSPORT INFORMATION

UN2735 Amines, Liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine,1,5-Pentanediamine, 2-Mthyl).
 DOT Hazad Class 8
 DOT Packaging Class II

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
---------------	-----------------------------	------------------	----------------------	---------------------

SECTION 15. REGULATORY INFORMATION

OSHA:29 CFR 1910.1200 Haxardous Chemical "Irritant", Sensitizer
 TSCA: Ingredients listed
 SARA III: Sec311 & 312 Immediate Health Haxard; Sec313 Chemicals above de minimus level: None
 CA PROP. 65 NOTICE WARNING:

CANADIAN REGULATORY INFORMATION
 WHMIS; Hazard Classification: D2B Skin Sensitizer. Refer to SDS for specific warnings

Component Toxicity

98-54-4	Paratertiarybutylphenol Oral LD50: 3,250 µL/kg (Rat) Dermal LD50: 2,318 mg/kg (Rabbit)
1477-55-0	Amine Oral LD50: 660 mg/kg (Rat) Dermal LD50: 2 g/kg (Rabbit) Inhalation LC50: 700 ppm (Rat)
84852-15-3	nonyl phenol Oral LD50: 1,300 mg/kg (Rat) Dermal LD50: 2,031 mg/kg (Rabbit)

Eyes: Irritant to the eyes. Corrosive to Eyes
 Skin: Irritant to the skin. Corrosive to Skin
 Inhalation: Irritant to respiratory tract. Prolonged or excessive inhalation may cause respiratory tract irritation.
 Sensitization: Skin sensitization in humans.

Eyes Kidneys Liver Skin Respiratory System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
-------------------	--------------------	-----------------	--------------------------

SECTION 12. ECOLOGICAL INFORMATION

No ecotoxicity data was found for the product

Component Ecotoxicity

Paratertiarybutylphenol	96 Hr LC50 Pimephales promelas: 4.71 - 5.62 mg/L [flow-through]; 96 Hr LC50 Cyprinus carpio: 6.9 mg/L [static] 48 Hr EC50 Daphnia magna: 3.9 mg/L; 48 Hr EC50 Daphnia magna: 3.4 - 4.5 mg/L [Static] 72 Hr EC50 Desmodesmus subspicatus: 11.2 mg/L
nonyl phenol	96 Hr LC50 Pimephales promelas: 0.135 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.1351 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 0.14 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 0.36 - 0.48 mg/L [static]; 72 Hr EC50 Pseudokirchneriella subcapitata: 0.16 - 0.72 mg/L [static]; 72 Hr EC50 Desmodesmus subspicatus: 1.3 mg/L

SECTION 13. DISPOSAL INFORMATION

Dispose of in accordance with applicable local/municipal, state/provincial and federal regulations.

SECTION 14. TRANSPORT INFORMATION

UN2735 Amines, Liquid, corrosive, n.o.s. (Benzene-1,3-Dimethanamine,1,5-Pentanediamine, 2-Mthyl).
 DOT Hazad Class 8
 DOT Packaging Class II

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
---------------	-----------------------------	------------------	----------------------	---------------------

SECTION 15. REGULATORY INFORMATION

OSHA:29 CFR 1910.1200 Haxardous Chemical "Irritant", Sensitizer
 TSCA: Ingredients listed
 SARA III: Sec311 & 312 Immediate Health Haxard; Sec313 Chemicals above de minimus level: None
 CA PROP. 65 NOTICE WARNING:

CANADIAN REGULATORY INFORMATION
 WHMIS; Hazard Classification: D2B Skin Sensitizer. Refer to SDS for specific warnings

WHMIS Symbols: Stylized T.
 WHMIS Trade Secret Registry Numbers: None
 Hazardous Products Act Information: This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).
 The following chemicals are classified under SARA 313 Toxic Release Inventory (TRI):
 84852-15-3 nonyl phenol 1 to 5 %

Country Regulation Toxic Substance Control Act (TSCA) **All Components Listed** Yes

EU Risk Phrases

Safety Phrase

- None

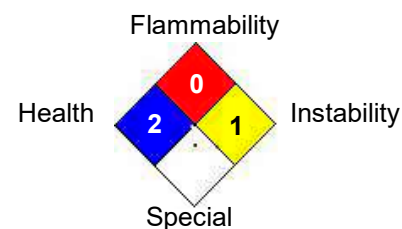
SECTION 16. ADDITIONAL INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



Date revised: 2017-02-02
 Date Prepared: 4/6/2017

Reviewer Revision

WHMIS Symbols: Stylized T.
 WHMIS Trade Secret Registry Numbers: None
 Hazardous Products Act Information: This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).
 The following chemicals are classified under SARA 313 Toxic Release Inventory (TRI):
 84852-15-3 nonyl phenol 1 to 5 %

Country Regulation Toxic Substance Control Act (TSCA) **All Components Listed** Yes

EU Risk Phrases

Safety Phrase

- None

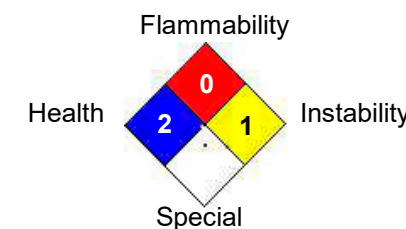
SECTION 16. ADDITIONAL INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH

National Fire Protection Association (NFPA)



Date revised: 2017-02-02
 Date Prepared: 4/6/2017

Reviewer Revision