SAFETY DATA SHEET

Wol-Coat 310 Part A

1. Product and Company Identification

Product Code:	310-A
Product Name:	Wol-Coat 310 Part A Wol-Coat 310 Part A
Trade Name:	
Manufacturer Information	
Company Name:	WOL-COAT 310 S Brevard Ave Ste-5 Tampa, FL 33606
Emergency Contact:	Chemtrec
Information:	WOL-COAT
Intended Use:	Industrial coatings.

(800)424-9300
(813)875-2486

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Skin Corrosion/Irritation, Category 2	Exclamation point	Warning	Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 2B	none	Warning	Causes eye irritation
Skin Sensitization, Category 1B	Exclamation point	Warning	May cause an allergic skin reaction
Aquatic Toxicity (Acute), Category 2	none		Toxic to aquatic life
Aquatic Toxicity (Chronic), Category 2	Pollution		Toxic to aquatic life with long lasting effects

GHS Hazard Phrases

H315 - Causes skin irritation.
H320 - Causes eye irritation.
H317 - May cause an allergic skin reaction.
H401 - Toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases

P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P261 - Avoid breathing dust/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P 362+364 - Take off contaminated clothing and wash it before reuse.
P273 - Avoid release to the environment.

GHS Response Phrases

P302+352 - IF ON SKIN: Wash with plenty of soap and water. P 332+313 - If skin irritation occurs, get medical advice/attention.
P362 - Take off contaminated clothing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.
P304+341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. P 314 - Get medical attention/advice if you feel unwell.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P311 - Call a POISON CENTER or doctor/physician.

P391 - Collect spillage.

GHS Storage and Disposal Phrases

P 501 - Dispose of contents/container to local, state, and federal authority requirements.

P404 - Store in a closed container.

Potential Health Effects (Acute and Chronic)

May cause eye irritation. May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

Inhalation

May cause respiratory irritation.

Skin Contact

May cause skin irritation. Allergic 'reactions are possible.

Eye Contact

Causes eye irritation.

Ingestion

May be harmful if swallowed.

Recommended Exposure Limits Not established.

Medical Conditions Generally Aggravated By Exposure

Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies. OSHA

Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Bisphenol-a based epoxy resin	25068-38-6	68.7 -76.69 %
2. Limestone	1317-65-3	1 .0 -15.0 %
3. Oxirane, Mono.(.(C12-14-alkyloxy)methyl.). derivs.	68609-97-2	1 .0 -15.0 %
4. Silica, amorphous treated	1 12945-52-5	1 .0 -10.0 %
Tinted product may contain ingredients below:		
5. Iron oxide (Fe203)	1309-37-1	0.0 -10.0 %
6. Iron oxide	1317-61-9	0.0 -10.0 %
7. Titanium dioxide	13463-67-7	0.0 -10.0 %
8. C.I. Pigment Yellow 42	51274-00-1	0.0 -10.0 %

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

In Case of Eye Contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In Case of Ingestion

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do not induce vomiting. For further assistance, contact your local Poison Control Center.

Signs and Symptoms Of Exposure

May cause skin, eye, and respiratory irritation. May cause allergic skin reaction.

5. Fire Fighting Measures

Flash Pt: > 200.00 C Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: NE UEL: NE

Autoignition Pt: No data available.

Fire Fighting Instructions

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Flammable Properties and Hazards

Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.

Hazardous Combustion Products

Hazardous decomposition products formed under fire conditions. Carbon dioxide, Carbon monoxide.

Suitable Extinguishing Media

Dry chemical, C02, water spray or regular foam.

Unsuitable Extinguishing Media

Do not use a direct water stream, which may spread fire.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.

Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Hazard Label Information:

Avoid contact with skin and eyes. Do not get on skin and clothing. Avoid inhalation of vapor or mist. Store in a closed container.

Precautions To Be Taken in Handling

Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.

Precautions To Be Taken in Storing

Keep container tightly closed in a dry and well-ventilated place.

Other Precautions

May cause sensitization by skin contact. Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1 . Bisphenol-a based epoxy resin	25068-38-6	No data.	No data.	No data.
2, Limestone	1317-65-3	15 (dust); 5 (resp.) mg/m3	No data.	No data.
3. Oxirane, Mono.(.(C12-14-alkyloxy)methyl.). derivs.	68609-97-2	No data.	No data.	No data.
4. Silica, amorphous treated	1 12945-52-5	No data.	No data.	No data.

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
5. Iron oxide (Fe203)	1309-37-1	10 mg/m3	5 mg/m3 (dust & fume)	No data.
6. Iron oxide	1317-61-9	No data.	No data.	No data.
7. Titanium dioxide	13463-67-7	15 (dust) mg/m3	10 mg/m3	No data.
8. C.I. Pigment Yellow 42	51274-00-1	No data.	No data.	No data.

Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing. Chemical resistant boots Respiratory Equipment (Specify Type)

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type PI (EN 143) respirator. A NIOSH/MSHA approved 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 circumstances where air purifying respirators may not provide adequate protection.

Eye Protection

Safety glasses, or goggles.

Protective Gloves

Nitrile rubber and Neoprene are recommended.

Other Protective Clothing

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Environmental Exposure Controls

Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities.

9. Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid I Solid
Melting Point:	NE
Boiling Point:	NE
Decomposition Temperature:	NE
Autoignition Pt:	No data.
Flash Pt:	> 200.00 C Method Used: Pensky-Marten Closed Cup
Explosive Limits:	LEL: NE UEL: NE
Specific Gravity (Water = 1):	- 1 .199 - 1 .283
Density:	~ 10.0 - 10.7 LB/GL

Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	NE
Solubility in Water:	No data.
Solubility Notes	
Practically insoluble,	

Percent Volatile:
VOC / Volume:
HAP / Volume:
Saturated Vapor Concentration: NE
Appearance and Odor
Epoxy odor.
Appearance: Liquid. (various pigmented colors)

10. Stability and Reactivity

Stability: Unstable [Stable [X]
Reactivity
Avoid: acids, alkalis, oxidizing agents.
Conditions To Avoid - Instability
Extreme temperatures.
Incompatibility - Materials To Avoid
Avoid strong acids, bases, and oxidizing agents.
Hazardous Decomposition Or Byproducts
Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, Phenolics.
Possibility of Hazardous Will occur [ ] Will not occur [X] Polymerization:
Conditions To Avoid - Hazardous Reactions
Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information
May cause sensitization by skin
Chronic Toxicological Effects ontact.
Skin sensitization.
Irritation or Corrosion
Skin Irritation. Irritating to eyes.
Symptoms related to Toxicological May
cause sensitization by skin haracteristics
ontact. May caus redness, rash on skin.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1 . Bisphenol-a based epoxy resin	25068-38-6	n.a.	n.a.	n.a.	n.a.
2. Limestone	1 317-65-3	n.a.	n.a.	n.a.	n.a.
3. Oxirane, Mono.(.(C12-14-alkyloxy)methyl.). derivs.	68609-97-2	n.a.	n.a.	n.a.	n.a,
4. Silica, amorphous treated					
5. Iron oxide (Fe203)	1 12945-52-5	n.a.	n.a.	n.a.	n.a.
6. Iron oxide	1309-37-1	n.a.	3		n.a.
7. Titanium dioxide	1317-61-9	n.a.	n.a.	n.a.	n.a,
8. C.I. Pigment Yellow 42	13463-67-7	n.a.	2B		n.a.
	51274-00-1	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information
Avoid release to the environment. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment

No data available.

Persistence and Degradability Not readily biodegradable.

Bioaccumulative Potential No data available.

Mobility in Soil not reported, unknown.

13. Disposal Considerations

Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name

(Non-Bulk)
Not Regulated.

(Bulk)
Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin) MARINE POLLUTANT.

DOT Hazard Class: DOT Hazard Label: UN/NA Number: Packing Group: Precautionary Label

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packaging transported by motor vehicles, rail cars or aircraft.

9

CLASS 9

UN3082

AIR TRANSPORT (ICAO/IATA) ICAO/IATA Shipping Name

Avoid skin and eye contact. May cause eye and skin irritation. May cause skin sensitization. Wear protective equipment and clothing. Always read MSDS/SDS before use.

(Non-Bulk)
Not Regulated.

(Bulk)
Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin) MARINE POLLUTANT.

MARINE TRANSPORT (IMDG/IMO)

UN Number:

Hazard Class:

Packing Group:

IMDG/IMO Shipping Name

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packaging transported by motor vehicles, rail cars or aircraft.

3082

9 CLASS 9

Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin) MARINE POLLUTANT.

Note: The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. Shipment compliance is the responsibility of the person offering the product for transport.

UN Number:	3082
Hazard Class:	9 - CLASS 9
Packing Group:	
IMDG MFAG Number:	FA,SF
Marine Pollutant:	Yes

15. Regulatory Information

US EPA SARA Title Ill

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Bisphenol-a based epoxy resin	25068-38-6	No	No	No	No
2. Limestone	1 317-65-3	No	No	No	No
3. Oxirane, Mono.(.(C12-14-alkyloxy)methyl.). derivs.	68609-97-2	No	No	No	No
4. Silica, amorphous treated	1 12945-52-5	No	No	No	No
5. Iron oxide (Fe203)	1309-37-1	No	No	No	No
6. Iron oxide	1317-61-9	No	No	No	No
7. Titanium dioxide	13463-67-7	No	No	No	No
8. C.I. Pigment Yellow 42	51274-00-1	No	No	No	No

Regulatory Information

SARA Section 3 1 1/3 12: Acute Health Hazard.

16. Other Information

CA-CIRCA NA NOT AVAILABLE NE-NOT ESTABLISHED NR NOT REGULATED NOT APPLICABLE PR-PROPRIETARY TS=TRADE SECRET ? UNKNOWN.

Company Policy or Disclaimer

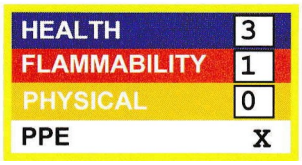
The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however the Wol-Coat makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.

Revision Date: 10/15/2015

SAFETY DATA SHEET

Wol-Coat 310 Part B

Printed: 10/16/2015
Revision: 05/27/2015



1. Product and Company Identification

Product Code:	310-B
Product Name:	Wol-Coat 310 Part B
Trade Name:	Wol-Coat 310 Part B
Manufacturer Information	
Company Name:	WOL-COAT 310 S Brevard Ave Ste-5 Tampa, FL 33606
Emergency Contact:	Chemtrec
Information:	WOL-COAT Industrial coatings.
Intended Use:	(800)424-9300 (813)875-2486

2. Hazards Identification

GHS Classification	Placard	Key word	GHS hazard phrase
Acute Toxicity: Inhalation, Category 4	Exclamation point	Warning	Harmful if inhaled
Acute Toxicity: Oral, Category 4	Exclamation point	Warning	Harmful if swallowed
Acute Toxicity: Skin, Category 4	Exclamation point	Warning	Harmful in contact with skin
Skin Corrosion/irritation, Category 1B	Corrosive	Danger	Causes severe skin burns and eye damage
Serious Eye Damage/Eye Irritation, Category 1	Corrosive	Danger	Causes serious eye damage
Target Organ Systemic Toxicity (single exposure), Category 3	Exclamation point	Warning	May cause respiratory irritation,or may cause drowsiness and dizziness
Aquatic Toxicity (Acute), Category 1	Pollution	Warning	Very toxic to aquatic life
Aquatic Toxicity (Chronic), Category 1	Pollution	Warning	Very toxic to aquatic life with long lasting effects

GHS Hazard Phrases

H332 - Harmful if inhaled.
H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H335 - May cause respiratory irritation.
H410 - Very toxic to aquatic life with long lasting effects.

GHS Precaution Phrases

P271 - Use only outdoors or in a well-ventilated area.
P261 - Avoid breathing gas/mist/vapors/spray.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P273 - Avoid release to the environment.

GHS Response Phrases

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P 314 - Get medical attention/advice if you feel unwell.

P 302+352 - IF ON SKIN: Wash with plenty of soap and water. P 363 - Wash contaminated clothing before reuse.

P 332+313 - If skin irritation occurs, get medical advice/attention.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 - Get medical advice/attention.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases

P501 - Dispose of contents/container to local, state, and federal authority requirements. P403+235 - Store in cool/well-ventilated place. P405 - Store locked up.

Potential Health Effects (Acute and Chronic)

May cause skin irritation or burns. May cause respiratory tract irritation. Can cause severe eye irritation.

Inhalation

Can cause severe respiratory irritation.

Skin Contact

Causes skin burns, irritation and possible allergic reaction.

Eye Contact

Corrosive/irritation to eyes. Causes eye burns.

Ingestion

Harmful if swallowed. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Recommended Exposure Limits

Not established.

Medical Conditions Generally Aggravated By Exposure

Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies. OSHA

Regulatory Status:

This material is classified as hazardous under OSHA regulations.

3. Composition/information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1 . Quartz	14808-60-7	20.0 -30.0 %/0
2. Phenol, 4-nonyl-, branched		20.0 -30.0 %
3. Formaldehyde, polymer with benzenamine, hydrogenated	84852-15-3	5.0 -15.0 %/0
4. Fatty acids, tall-oil, reaction products withdiethylenetriamine, di-Me sulfate and propyleneoxide	135108-88-2 68953-36-6	5.0 -15.0 %
5. Tetraethylenepentamine		5.0 -15.0 %
6. N-Methyl-2-pyrrolidone		1.0 -10.0 %/0
7. Silica, amorphous treated	112-57-2 872-50-4 1 12945-52-5	1 .0 -10.0 %

4. First Aid _Measures

Emergency and First Aid Procedures

In Case of Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

In Case of Skin Contact

In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

In Case of Eye Contact

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention immediately.

In Case of Ingestion

If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Get medical attention immediately.

Signs and Symptoms Of Exposure

Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: Can cause severe skin burns. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Inhalation: Vapors are irritating to the respiratory system, may cause throat pain and cough.

5. Fire Fighting Measures

Flash Pt: > 200.00 F Method Used: Pensky-Marten Closed Cup

Explosive Limits: LEL: NE UEL: NE

Autoignition Pt: No data available.

Fire Fighting Instructions

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Flammable Properties and Hazards

Combustible material: may burn but does not ignite readily.

Hazardous Combustion Products

In a fire, product may produce the following: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Fire may produce irritating, corrosive and/or toxic gases.

Suitable Extinguishing Media

C02, dry chemical, dry sand, alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use a direct water stream, which may spread fire.

6. Accidental Release Measures

steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.

Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Hazard Label Information:

Avoid contact with eyes. Do not get on skin and clothing. Avoid inhalation of vapor or mist. Store in a closed container.

Precautions To Be Taken in Handling

Provide adequate ventilation. Wear all personal protection required in section 8.

Precautions To Be Taken in Storing

Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible material.

Other Precautions

Read product SDS and all labels before use. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

8. Exposure Controls/personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Quartz	14808-60-7	8825	0.05 mg/m3 (R)	No data.
2. Phenol, 4-nonyl-, branched	84852-15-3	No data.	No data.	No data.
3. Formaldehyde, polymer with benzenamine, hydrogenated	135108-88-2	No data.	No data.	No data.
4. Fatty acids, tall-oil, reaction products withdiethylenetriamine, di-Me sulfate and propyleneoxide	68953-36-6	No data.	No data.	No data.
5. Tetraethylenepentamine	112-57-2	No data.	No data.	No data.
6. N-Methyl-2-pyrrolidone	872-50-4	No data.	No data	No data.
7. Silica, amorphous treated	1 12945-52-5	No data.	No data.	No data.

Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing. Chemical resistant boots Respiratory

Equipment (Specify Type)

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type PI (EN 143) respirator. A NIOSH/MSHA approved 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 circumstances where air purifying respirators may not provide adequate protection.

Eye Protection

Safety glasses, or goggles.

Protective Gloves

Nitrile rubber and Neoprene are recommended.

Other Protective Clothing

Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Environmental Exposure Controls

Avoid runoff into storm sewers and ditches which lead to waterways.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] solid
Melting Point: NE

Boiling Point:	NE
Decomposition Temperature:	NE
Autoignition Pt:	No data.
Flash Pt:	> 200.00 F Method Used. Pensky-Marten Closed Cup
Explosive Limits:	LEL: NE UEL. NE
Specific Gravity (Water = 1):	1.205
Density:	10.05 LB/GL
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Evaporation Rate:	NE
Solubility in Water:	No data.

Solubility Notes
Slightly Soluble.

Percent Volatile: VOC / Volume: HAP / Volume:	N.A.
Saturated Vapor Concentration:	NE

Appearance and Odor
Odor: amine-like.
Appearance: Liquid. amber.

10. Stability and Reactivity

Stability:	Unstable [ ]	Stable [X]

Reactivity
Avoid: acids, alkalis, oxidizing agents.

Conditions To Avoid - Instability
Extreme temperatures.

Incompatibility - Materials To Avoid
Avoid: acids, alkalis, oxidizing agents.

Hazardous Decomposition Or Byproducts
Carbon dioxide, Carbon monoxide, Nitrogen oxides, aldehydes. nitrosamines. ammonia.

Possibility of Hazardous Will occur [ ] Will not occur [X] Polymerization:

Conditions To Avoid - Hazardous Reactions
Will not undergo hazardous polymerization in normal storage conditions.

11. Toxicological Information

Toxicological Information
May cause sensitization by skin contact.

Chronic Toxicological Effects No data available.

Irritation or Corrosion
Corrosive! Damages skin and eyes.

Symptoms related to Toxicological Characteristics

Skin: Contact with substance may cause severe burns to skin. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Permanent eye damage including blindness could result.

Inhalation: Inhalation of vapors/fumes causes respiratory irritation with throat discomfort, coughing or difficulty breathing.

Sensitization

May cause sensitization by skin contact.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Quartz	14808-60-7	Known	1		n.a.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
2. Phenol, 4-nonyl-, branched	84852-15-3	n.a.	n.a.	n.a.	n.a.
3. Formaldehyde, polymer with benzenamine, hydrogenated	135108-88-2	n.a.	n.a.	n.a.	n.a.
4. Fatty acids, tall-oil, reaction products withdiethylenetriamine, di-Me sulfate and propyleneoxide	68953-36-6	n.a.	n.a.	n.a.	n.a.
5. Tetraethylenepentamine	1 12-57-2	n.a.	n.a.	n.a.	n.a.
6. N-Methyl-2-pyrrolidone	872-50-4	n.a.	n.a.	n.a.	n.a.
7. Silica, amorphous treated	1 12945-52-5	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information

Avoid release to the environment. Do not empty into drains. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment

No data available.

Persistence and Degradability
Not readily biodegradable.

Bioaccumulative Potential No data available.

Mobility in Soil not reported, unknown.

13. Disposal Considerations

Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S. (Modified Amido Amine) (Nonylphenol) MARINE POLLUTANT. NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packaging transported by motor vehicles, rail cars or aircraft.
DOT Hazard Class:	8
DOT Hazard Label:	CORROSIVE
UN/NA Number:	UN1719
Packing Group:	
Precautionary Label	Corrosive! Damages skin and eyes. Avoid skin and eye contact. May cause eye and skin irritation. May cause skin sensitization. Wear protective equipment and clothing. Always read MSDS/SDS before use.

AIR TRANSPORT (ICAO/IATA)

ICAO/IATA Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S. (Modified Amado Amine) (Nonylphenol) MARINE POLLUTANT. NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packaging transported by motor vehicles, rail cars or aircraft.
UN Number:	1719
Hazard Class:	8 - CORROSIVE
Packing Group:	

MARINE TRANSPORT (IMDG/IMO)

IMDG/IMO Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S. (Modified Amido Amine) (Nonylphenol) MARINE POLLUTANT. Note: The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. Shipment compliance is the responsibility of the person offering the product for transport.
UN Number:	1719
Hazard Class:	8 - CORROSIVE
Packing Group:	
IMDG EMS Number:	FA,SB
Marine Pollutant:	Yes

15. Regulatory Information

US EPA SARA Title Ill

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313	Sec.110
1 . Quartz	14808-60-7	No	No	(TRI) No	No
2. Phenol, 4-nonyl-, branched	84852-15-3	No	No	No	No
3. Formaldehyde, polymer with benzenamine, hydrogenated	135108-88-2	No	No	No	No
4. Fatty acids, tall-oil, reaction products withdiethylenetriamine, di-Me sulfate and propyleneoxide	68953-36-6	No	No	No	No
5. Tetraethylenepentamine	1 12-57-2	No	No	No	No
6. N-Methyl-2-pyrrolidone	872-50-4	No	No	Yes	No
7. Silica, amorphous treated	1 12945-52-5	No	No	No	No

Regulatory Information

SARA Section 311/312: Acute, hronic Health azard.

16. Other Information

CA-CIRCA NA-NOT AVAILABLE NE=NOT ESTABLISHED NR-NOT REGULATED NOT APPLICABLE PR PROPRIETARY TS-TRADE SECRET

Company Policy or Disclaimer

The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however Wol-Coat makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.

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