

Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking**1.1 Product identifier**

- Product Name** • **Sili-Fuse Primer**
- Product Description** • Translucent to clear liquid with characteristic solvent odor.

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified use(s)** • Sili-Fuse Primer is a solvent based primer designed to clean and prime TPO and EPDM substrates that are having trouble getting silicone to adhere to them.

1.3 Details of the supplier of the safety data sheet

- Manufacturer** • Countryman Coatings
540 Central Ct.
New Albany, IN 47150
United States

Telephone (General) • 812.940.4361

1.4 Emergency telephone number

- Manufacturer** • (800) 424-9300 - CHEMTREC
- Manufacturer** • (800) 424-9300 - CHEMTREC - International

Section 2: Hazards Identification**EU/EEC**

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- CLP**
- Flammable Liquids 2 - H225
 - Skin Irritation 2 - H315
 - Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
 - Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
 - Reproductive Toxicity 2 - H361
 - Hazardous to the aquatic environment Chronic 2 - H411
 - Specific Target Organ Toxicity Repeated Exposure 2 - H373
- DSD/DPD**
- Irritant (Xi)
 - Harmful (Xn)
 - Substances Toxic To Reproduction - Category 3
 - Flammable
 - Dangerous to the Environment (N)
 - R11, R67, R38, R63, R48/20, R51/53

2.2 Label Elements

CLP

DANGER



- Hazard statements**
- H225 - Highly flammable liquid and vapour
 - H335+H336 - May cause respiratory irritation and drowsiness or dizziness
 - H315 - Causes skin irritation
 - H373 - May cause damage to organs through prolonged or repeated exposure.
 - H361 - Suspected of damaging fertility or the unborn child.
 - H411 - Toxic to aquatic life with long lasting effects

Precautionary statements

- Prevention**
- P261 - Avoid breathing dust, fume, gas, mist, vapours and/or spray.
 - P264 - Wash thoroughly after handling.
 - P273 - Avoid release to the environment.
 - P240 - Ground and/or bond container and receiving equipment.
 - P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P314 - Get medical advice/attention if you feel unwell.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P321 - Specific treatment, see supplemental first aid information.
- Storage/Disposal**
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases**
- R38 - Irritating to skin.
 - R67 - Vapours may cause drowsiness and dizziness.
 - R63 - Possible risk of harm to the unborn child.
 - R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 - R11 - Highly flammable.
 - R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Safety phrases**
- S9 - Keep container in a well ventilated place
 - S16 - Keep away from sources of ignition - No Smoking.
 - S37 - Wear suitable gloves.
 - S57 - Use appropriate containment to avoid environmental contamination.

2.3 Other Hazards

CLP

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD

- According to European Directive 1999/45/EC this preparation is considered dangerous.

UN GHS

According to Third Revised Edition

2.1 Classification of the substance or mixture

UN GHS

- Flammable Liquids 2 - H225
- Skin Irritation 2 - H315
- Eye Irritation 2A - H319
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
- Reproductive Toxicity 1B - H360
- Hazardous to the aquatic environment Chronic 2 - H411

2.2 Label elements

UN GHS

DANGER



- Hazard statements**
- H319 - Causes serious eye irritation
 - H315 - Causes skin irritation
 - H335+H336 - May cause respiratory irritation and drowsiness or dizziness
 - H360 - May damage fertility or the unborn child.
 - H225 - Highly flammable liquid and vapour
 - H411 - Toxic to aquatic life with long lasting effects

Precautionary statements

- Prevention**
- P261 - Avoid breathing dust, fume, gas, mist, vapours and/or spray.
 - P233 - Keep container tightly closed.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P264 - Wash thoroughly after handling.
 - P280 - Wear protective gloves and eye/face protection , .
- Response**
- P332+P313 - If skin irritation 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.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
 - P352 - Wash with plenty of soap and water.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P321 - Specific treatment, see supplemental first aid information.
- Storage/Disposal**
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
 - P405 - Store locked up.
 - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

UN GHS

- According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 1994

- Flammable Liquid
- Flammable/Combustible Class IB
- Irritant

2.2 Label elements

OSHA HCS 1994

- Not required

2.3 Other hazards

OSHA HCS 1994

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada**According to WHMIS****2.1 Classification of the substance or mixture****WHMIS**

- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.2 Label elements**WHMIS**

- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.3 Other hazards**WHMIS**

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information**NFPA**

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients**3.1 Substances**

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008. Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

3.2 Mixtures

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Light aliphatic solvent naphtha	CAS:64742-89-8 EC Number:265-192-2	40% TO 60%	NDA	UN GHS: Eye Irrit 2A, Skin Irrit 2, Asp Tox. 1, STOT SE 3: Narc, STOT SE 3: Resp. Irrit, Flam Liq. 3 EU DSD/DPD: Self Classified Xi R38, Xn R67, R65, N; R51/53, F R11	NDA

	EINECS:265-192-2			EU CLP: Self Classified Skin Irrit 2, Asp Tox. 1, STOT SE 3: Narc, Aquatic Chronic 2, Flam Liq. 3	
Toluene	CAS:108-88-3 EC Number:203-625-9 UN:UN1294 EINECS:203-625-9	20% TO 40%	Ingestion/Oral-Rat LD50 • 636 mg/kg Inhalation-Rat LC50 • 49 g/m ³ 4 Hour(s) Skin-Rabbit LD50 • 14100 µL/kg	UN GHS: Eye Irrit 2A, Skin Irrit 2, STOT SE 3: Narc, Repr 1B, Acute Tox 3 EU DSD/DPD: Annex I: F; R11 Xi; R38 Xn; R48/20-65 Repr.Cat.3; R63 R67 EU CLP: Annex VI Flam. Liq. 2; Eye Irrit. 2; Skin Irrit. 2; Acute Tox 3, STOT SE 3;	NDA
Silica, amorphous fumed	CAS:112945-52-5 EC Number:	< 5%	Ingestion/Oral-Rat LD50 • 3160 mg/kg	UN GHS: Acute Tox. 5 EU DSD/DPD: NDA EU CLP: NDA	NDA
Triethanolamine	CAS:102-71-6 EC Number:203-049-8 EINECS:203-049-8	< 2%	Ingestion/Oral-Rat LD50 • 4920 µL/kg Skin-Rat LD50 • >16 mL/kg Ingestion/Oral-Rabbit LD50 • 2200 mg/kg	UN GHS: Eye Irrit 2, Skin Irrit 2, Acute tox 5 EU DSD/DPD: Annex I (Xi); R36/37 EU CLP: Annex VI Eye Irrit 2, Skin Irrit 2	NDA

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin. Remove and isolate contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- No specific treatment required. Treat victim symptomatically and supportively.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • Use CO₂, dry chemical, or foam.

Unsuitable Extinguishing Media • Do not use a direct stream of water.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated.

Vapors may form explosive mixtures with air.
 Vapor explosion hazard indoors, outdoors or in sewers.
 Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
 Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

5.3 Advice for firefighters

- Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen chloride, various hydrocarbons, phenols, acrid smoke and irritating fumes.
- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
 Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
 Wear positive pressure self-contained breathing apparatus (SCBA).
 Runoff from fire control may cause pollution.
 LARGE FIRES: Dike fire-control water for later disposal.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

- Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.

Emergency Procedures

- As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Stay upwind. Keep out of low areas. Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
 Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
 A vapor suppressing foam may be used to reduce vapors.
 All equipment used when handling the product must be grounded.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

- Keep away from heat, sparks, and flame – No Smoking. Ground fixed equipment. Keep containers closed. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Static electricity may accumulate and create a fire hazard. Take precautionary measures against static charges. Bond and ground all transfer containers and equipment. Use only with adequate ventilation. Do not breathe (dust, vapor or spray mist) When exposed to lower temperatures, restore to room temperature prior to use.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Ground fixed equipment. Bond and ground all transfer containers and equipment. Store in a well-ventilated place. Keep container tightly closed. Store in original

unopened container indoors at temperatures between 60°F–80°F (16°C–27°C). Keep the material out of direct sunlight until ready for immediate application.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Belgium	Canada Alberta	Canada British Columbia	Canada Manitoba
Triethanolamine (102-71-6)	TWAs	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA	5 mg/m ³ TWA
Toluene (108-88-3)	STELs	Not established	100 ppm STEL; 384 mg/m ³ STEL	Not established	Not established	Not established
	TWAs	20 ppm TWA	50 ppm TWA; 192 mg/m ³ TWA	50 ppm TWA; 188 mg/m ³ TWA	20 ppm TWA	20 ppm TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario
Triethanolamine (102-71-6)	TWAs	5 mg/m ³ TWA	Not established	5 mg/m ³ TWA	Not established	0.5 ppm TWAEV; 3.1 mg/m ³ TWAEV
Toluene (108-88-3)	TWAs	50 ppm TWA; 188 mg/m ³ TWA	100 ppm TWA; 375 mg/m ³ TWA	20 ppm TWA	100 ppm TWA; 375 mg/m ³ TWA	20 ppm TWAEV
	STELs	Not established	150 ppm STEL; 560 mg/m ³ STEL	Not established	150 ppm STEL; 560 mg/m ³ STEL	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Quebec	Canada Saskatchewan	Canada Yukon	China	Cyprus
Triethanolamine (102-71-6)	TWAs	5 mg/m ³ TWAEV	5 mg/m ³ TWA	Not established	Not established	Not established
Toluene (108-88-3)	STELs	Not established	Not established	150 ppm STEL; 560 mg/m ³ STEL	100 mg/m ³ STEL	100 ppm STEL; 384 mg/m ³ STEL
	TWAs	50 ppm TWAEV; 188 mg/m ³ TWAEV	50 ppm TWA	100 ppm TWA; 375 mg/m ³ TWA	50 mg/m ³ TWA	50 ppm TWA; 192 mg/m ³ TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Denmark	Europe	Germany DFG	Germany TRGS	NIOSH
Triethanolamine (102-71-6)	TWAs	0.5 ppm TWA; 3.1 mg/m ³ TWA	Not established	Not established	Not established	Not established
	Ceilings	Not established	Not established	20 mg/m ³ Peak	Not established	Not established
	MAKs	Not established	Not established	5 mg/m ³ MAK (inhalable fraction)	Not established	Not established
Toluene (108-88-3)	STELs	Not established	100 ppm STEL; 384 mg/m ³ STEL	Not established	Not established	150 ppm STEL; 560 mg/m ³ STEL
	TWAs	25 ppm TWA; 94 mg/m ³ TWA	50 ppm TWA; 192 mg/m ³ TWA	Not established	50 ppm TWA (exposure factor 4); 190 mg/m ³ TWA (exposure factor 4)	100 ppm TWA; 375 mg/m ³ TWA

	Ceilings	Not established	Not established	200 ppm Peak; 760 mg/m ³ Peak	Not established	Not established
	MAKs	Not established	Not established	50 ppm MAK; 190 mg/m ³ MAK	Not established	Not established
Exposure Limits/Guidelines (Con't.)						
		Result		OSHA		
Toluene (108-88-3)		Ceilings		300 ppm Ceiling		
		TWAs		200 ppm TWA		

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear splash goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear protective clothing

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Translucent to clear liquid with characteristic solvent odor.
Color	Translucent to clear.	Odor	Characteristic solvent.
Taste	No data available	Particulate Type	No data available
Particulate Size	No data available	Aerosol Type	No data available
Odor Threshold	No data available	Physical and Chemical Properties	No data available
General Properties			
Boiling Point	85 C(185 F)	Melting Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	No data available	Specific Gravity/Relative Density	0.75 to 0.81 Water=1

Density	No data available	Bulk Density	No data available
Water Solubility	No data available	Solvent Solubility	Negligible
Viscosity	No data available	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	38 mmHg (torr) @ 100 F(37.7778 C)	Vapor Density	3.6 Air=1
Evaporation Rate	3.5 n-Butyl Acetate = 1	VOC (Wt.)	No data available
VOC (Vol.)	No data available	Volatiles (Wt.)	85 %
Volatiles (Vol.)	No data available		
Flammability			
Flash Point	18 C(64.4 F) TCC (Tagliabue Closed Cup)	UEL	7.1 %
LEL	1.2 %	Heat of Combustion (ΔH_c)	No data available
Flame Extension	No data available	Autoignition	No data available
Self-Accelerating Decomposition Temperature (SADT)	No data available	Burning Time	No data available
Flame Height	No data available	Ignition Distance	No data available
Flame Duration	No data available	Flammability (solid, gas)	No data available
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD5	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Avoid flames, sparks, or other sources of ignition.

10.5 Incompatible materials

- Strong oxidizing agents.

10.6 Hazardous decomposition products

- Hazardous decomposition will not occur.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Toluene (20% TO 40%)	108-88-3	Acute Toxicity: orl-rat LD50:636 mg/kg; ihl-rat LC50:49 gm/m3/4H; ihl-rat TCLo:1333 ppm/7.5H; skn-rbt LD50:14100 uL/kg; Irritation: eye-rbt 2 mg/24H SEV; skn-rbt 20 mg/24H MOD; Mutagen: cyt-rat-ihl 5400 ug/m3/16W-I; Reproductive: orl-rat TDLo:16 mL/kg (6-21D preg); ihl-rbt TDLo:100 ppm/6H (6-18D preg)
Silica, amorphous fumed (< 5%)	112945-52-5	Acute Toxicity: orl-rat LD50:3160 mg/kg; ihl-rat TCLo:154 mg/m3/6H/4W-I
Triethanolamine (< 2%)	102-71-6	Acute Toxicity: orl-rbt LD50:2200 mg/kg; skn-rat LD50:>16 mL/kg; Irritation: eye-rbt 10 mg MLD; skn-mus 50% SEV; Tumorigen/Carcinogen: skn-rat TDLo:90125 mg/kg/103W-I

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking UN GHS • Data lacking
Aspiration Hazard	EU/CLP • Data lacking UN GHS • Data lacking
Carcinogenicity	EU/CLP • Data lacking UN GHS • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking UN GHS • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 UN GHS • Skin Irritation 2
Skin sensitization	EU/CLP • Data lacking UN GHS • Data lacking
STOT-RE	EU/CLP • Specific Target Organ Toxicity Repeated Exposure 2 UN GHS • Data lacking
STOT-SE	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects UN GHS • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction	EU/CLP • Toxic to Reproduction 2 UN GHS • Toxic to Reproduction 1B
Respiratory sensitization	EU/CLP • Data lacking UN GHS • Data lacking
Serious eye damage/Irritation	EU/CLP • Classification criteria not met UN GHS • Eye Irritation 2A

Target Organs

- Central Nervous System (CNS)

Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

Medical Conditions Aggravated by Exposure

- Eye Skin Lungs .

Potential Health Effects

Inhalation

Acute (Immediate)

- May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death. May cause respiratory irritation.

Chronic (Delayed)

- Repeated or proplonged exposure may cause hyperactive reflexes, peripheral

neuropathy, ataxia, personality changes, tremors, headaches, emotional lability, cognitive dysfunction and memory loss. Toluene abuse or sniffing may cause liver, kidney and central nervous system damage. Toluene may also cause sensitization to epinephrine or other adrenalin like agents.

Skin

- Acute (Immediate)**
 - Causes skin irritation.
- Chronic (Delayed)**
 - Repeated and prolonged exposure may cause irritation.

Eye

- Acute (Immediate)**
 - Causes serious eye irritation.
- Chronic (Delayed)**
 - No data available.

Ingestion

- Acute (Immediate)**
 - May cause irritation if swallowed.
- Chronic (Delayed)**
 - No data available.

Other

- Chronic (Delayed)**
 - Humans who were occupationally exposed to concentrations of toluene as low as 100 ppm for long periods of time have experienced hearing deficits. Hearing loss, as demonstrated using behavioral and electrophysiological testing, as well as by observation of structural damage to cochlear hair cells, occurred in experimental animals exposed to toluene. It also appears that toluene exposure and noise may interact to produce hearing effects.

Reproductive Effects

- Repeated and prolonged exposure may cause reproductive effects.

Key to abbreviations

TC = Toxic Concentration	MOD = Moderate
TD = Toxic Dose	SEV = Severe
LD = Lethal Dose	LC = Lethal Concentration
MLD = Mild	

Section 12 - Ecological Information

12.1 Toxicity

Single-Ply QuickPrime Primer			Results	Exposure Conditions	Comments
Dosage	Species	Duration			
= 6.5 mg/L	Water Flea: Daphnia Magna	48 Hour(s)	EC50	NDA	Toluene
= 84 mg/L	Water Flea: Daphnia magna	48 Hour(s)	NOEC	NDA	NDA

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted by the manufacturer.

12.6 Other adverse effects

Potential Environmental Effects

- May cause adverse effects to aquatic environment.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1133	Adhesives, containing a flammable liquid	3	II	NDA
TDG	UN1133	ADHESIVES containing flammable liquid	3	II	Potential Marine Pollutant
IMO/IMDG	UN1133	ADHESIVES containing flammable liquid	3	II	NDA
IATA/ICAO	UN1133	ADHESIVES containing flammable liquid	3	II	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- This product is provided only in non-bulk containers.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

State Right To Know				
Component	CAS	MA	NJ	PA
Light aliphatic solvent naphtha	64742-89-8	No	No	No
Toluene	108-88-3	Yes	Yes	Yes
Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	No	No	No
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	No	No	No

Petroleum hydrocarbon resin	68132-00-3	No	No	No
Propene, 2-methyl-, polymers	9003-27-4	No	No	No
Silica, amorphous fumed	112945-52-5	No	No	No
Thermoplastic rubber	66070-58-4	No	No	No
Alkyl phenol resin	609-22-3	No	No	No
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	No	No	No
Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl-, salt with bentonite	68953-58-2	No	No	No
Rheological Additive	NDA	No	No	No
Triethanolamine	102-71-6	Yes	Yes	Yes
Zinc oxide cure package	NDA	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Light aliphatic solvent naphtha	64742-89-8	Yes	No	Yes	Yes	No
Toluene	108-88-3	Yes	No	Yes	Yes	No
Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	Yes	No	Yes	No	No
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	Yes	No	Yes	No	No
Petroleum hydrocarbon resin	68132-00-3	Yes	No	Yes	No	No
Propene, 2-methyl-, polymers	9003-27-4	Yes	No	Yes	No	No
Silica, amorphous fumed	112945-52-5	Yes	No	Yes	No	No

Thermoplastic rubber	66070-58-4	Yes	No	Yes	No	No
Alkyl phenol resin	609-22-3	No	Yes	No	No	No
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	Yes	No	Yes	Yes	No
Quaternary ammonium compounds, bis (hydrogenated tallow alkyl) dimethyl-, salt with bentonite	68953-58-2	Yes	No	Yes	Yes	No
Rheological Additive	NDA	No	No	No	No	No
Triethanolamine	102-71-6	Yes	No	Yes	Yes	No
Zinc oxide cure package	NDA	No	No	No	No	No

Inventory (Con't.)

Component	CAS	Japan ENCS	Korea KECL	TSCA
Light aliphatic solvent naphtha	64742-89-8	No	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes
Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	No	No	Yes
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	Yes	Yes	Yes
Petroleum hydrocarbon resin	68132-00-3	No	Yes	Yes
Propene, 2-methyl-, polymers	9003-27-4	Yes	Yes	Yes
Silica, amorphous fumed	112945-52-5	Yes	Yes	No
Thermoplastic rubber	66070-58-4	Yes	Yes	Yes
Alkyl phenol resin	609-22-3	Yes	No	Yes
Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-	6683-19-8	Yes	Yes	Yes

hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester				
Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	No	Yes	Yes
Rheological Additive	NDA	No	No	No
Triethanolamine	102-71-6	Yes	Yes	Yes
Zinc oxide cure package	NDA	No	No	No

Australia

Labor

Australia - Hazardous Substances - Substances Requiring Health Surveillance

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Australia - High Volume Industrial Chemicals List

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed

• Toluene	108-88-3	20% TO 40%	
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Australia - List of Designated Hazardous Substances - Classification

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	F, Xn, Xi Repr.Cat.3 R11, R63, R48/20, R65, R38, R67
• Triethanolamine	102-71-6	< 2%	Self classification required
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Xn Carc.Cat.2, Muta.Cat.2 R45, R46, R65
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Self classification required (fume, respirable dust)
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Environment

Australia - National Pollutant Inventory (NPI) Substance List

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	10 tonnes/year Threshold category 1
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed

• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Australia - Priority Existing Chemical Program

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Candidate chemical
• Triethanolamine	102-71-6	< 2%	Candidate chemical
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Belgium

Labor**Belgium - Substances and Preparations - Carcinogens and Mutagens**

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Bulgaria**Environment****Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 24 Hour**

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	0.25 mg/m ³ MAHCL
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - 30 Minute

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Bulgaria - Air Quality - Maximum Admissible Hazardous Contaminant Levels - Annual

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Canada

Labor**Canada - WHMIS - Classifications of Substances**

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Uncontrolled product according to WHMIS classification criteria
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	B2, D2A, D2B
• Triethanolamine	102-71-6	< 2%	Uncontrolled product according to WHMIS classification criteria
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	B2
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Uncontrolled product according to WHMIS classification criteria
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	1 %
• Triethanolamine	102-71-6	< 2%	1 %
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl	6683-19-8	< 2%	Not Listed
--	-----------	------	------------

ester			
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Priority Substance List 1 (substance not considered toxic)
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Denmark

Environment

Denmark - List of Undesirable Substances - Product Groups/Function

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Hardeners; Anti-oxidants
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Mexico

Other

Mexico - Hazard Classifications

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Class = 3
• Triethanolamine	102-71-6	< 2%	Not Listed

• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Mexico - Regulated Substances

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	UN1294
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed

• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed

• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	1000 lb final RQ; 454 kg final RQ
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed

• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed

• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	1.0 % de minimis concentration
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed

• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	waste number U220
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	0.080 mg/L (wastewater); 10 mg/kg (nonwastewater)
• Triethanolamine	102-71-6	< 2%	Not Listed

• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	waste number U220
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	developmental toxicity, initial date 1/1/91
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-
--

bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	7000 µg/day MADL (level represents absorbed dose)
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	female reproductive toxicity, initial date 8/7/09
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed

• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed

• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Not Listed
• Triethanolamine	102-71-6	< 2%	Not Listed
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed
• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

• Benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis((3-(3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl)-1-oxopropoxy)methyl)-1,3-propanediyl ester	6683-19-8	< 2%	Not Listed
• Thermoplastic rubber	66070-58-4	< 5%	Not Listed
• Petroleum hydrocarbon resin	68132-00-3	< 5%	Not Listed
• Toluene	108-88-3	20% TO 40%	Toxic (skin); Flammable (skin)
• Triethanolamine	102-71-6	< 2%	Flammable
• Light aliphatic solvent naphtha	64742-89-8	40% TO 60%	Not Listed
• Quaternary ammonium compounds, bis(hydrogenated tallow alkyl)dimethyl-, salt with bentonite	68953-58-2	< 2%	Not Listed

• Propene, 2-methyl-, polymers	9003-27-4	< 5%	Not Listed
• Benzene, 1-ethenyl-4-methyl-, polymer with 2-methyl-1-propene, brominated	134737-24-9	< 5%	Not Listed
• Silica, amorphous fumed	112945-52-5	< 5%	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	< 5%	Not Listed
• Alkyl phenol resin	609-22-3	< 2%	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date

- 28/January/2013

Preparation Date

- 28/January/2013

Disclaimer/Statement of Liability

- The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Countryman Coatings assumes no responsibility for injury to the buyer, the buyer employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Countryman Coatings assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of the material, even if reasonable safety procedures are followed.

Key to abbreviations

NDA = No Data Available