

SAFETY DATA SHEET

1. Identification

Product identifier Direct to Metal Primer

Product code 310

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name PBE Jobbers Warehouse

Address 2921 Syene Rd
Madison, WI 53713

Telephone 608-274-8797

Emergency phone number EMERGENCY 24 Hrs. 800-424-9300 ChemTrec

Physical hazards	Flammable liquids	Category 2
Health hazards	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Carcinogenicity	Category 1A
	Reproductive toxicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	

2. Hazard(s) identification

Label elements



Danger

Signal word

Hazard statement

Highly flammable liquid and vapor. Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if inhaled. May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish.

Storage

Disposal

Store in a well-ventilated place. Keep cool. Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May

cause flash fire or explosion.

Supplemental information

79.83% of the mixture consists of component(s) of unknown acute dermal toxicity. 34.51% of the mixture consists of component(s) of unknown acute inhalation toxicity. 69.24% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 69.24% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Talc		14807-96-6	10 - < 30
Xylene		1330-20-7	10 - < 30
Barium Sulfate		7727-43-7	5 - < 25
Titanium Dioxide		1317-80-2	5 - < 15
Glycol Ether PM Acetate		108-65-6	5 - < 10
Tert Butyl Acetate		540-88-5	5 - < 10
Carbon Black		1333-86-4	0 < 5
Crystalline Quartz Regulatory		14808-60-7	0 < 5
Dibutyltin Dilaurate		77-58-7	0 < 5
Ethylbenzene		100-41-4	0 < 5
Iron Oxide Regulatory		1309-37-1	0 < 5
Phosphoric Acid Regulatory		7664-38-2	0 < 5
Silica		7631-86-9	0 < 5
Silicon dioxide		112945-52-5	0 < 5
tert-Butyl Alcohol		75-65-0	0 < 5
Tremolite (Non-asbestiform)		14567-73-8	0 < 5

Other components below reportable levels

10 - < 20

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell. Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Skin contact

Eye contact

Ingestion

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Rinse mouth. Get medical advice/attention if you feel unwell.

Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO ₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards

Highly flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases. Use appropriate containment to avoid environmental contamination.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. Handling operations that can promote accumulation of static charges include but are not limited to: mixing, filtering, pumping at high flow rates,

splash filling, creating mists or sprays, tank and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Components	Type	Value
Tremolite (Non-asbestiform) (CAS 14567-73-8)	STEL	1 fibers/cm3
	TWA	0.1 fibers/cm3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Barium Sulfate (CAS 7727-43-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Carbon Black (CAS 1333-86-4)	PEL	3.5 mg/m3	
Dibutyltin Dilaurate (CAS 77-58-7)	PEL	0.1 mg/m3	
Ethylbenzene (CAS 100-41-4)	PEL	435 mg/m3	
Iron Oxide Regulatory (CAS 1309-37-1)	PEL	100 ppm	Fume.
		10 mg/m3	
Phosphoric Acid Regulatory (CAS 7664-38-2)	PEL	1 mg/m3	
Tert Butyl Acetate (CAS 540-88-5)	PEL	950 mg/m3	
tert-Butyl Alcohol (CAS 75-65-0)	PEL	200 ppm	
		300 mg/m3	
Titanium Dioxide (CAS 1317-80-2)	PEL	100 ppm	Total dust.
		15 mg/m3	
Xylene (CAS 1330-20-7)	PEL	435 mg/m3	
		100 ppm	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Crystalline Quartz Regulatory (CAS 14808-60-7)	TWA	0.3 mg/m ³	Total dust.
		0.1 mg/m ³ 2.4 mppcf	Respirable. Respirable.
Silica (CAS 7631-86-9)	TWA	0.8 mg/m ³ 20 mppcf	
Silicon dioxide (CAS 112945-52-5)	TWA	0.8 mg/m ³	
Talc (CAS 14807-96-6)	TWA	20 mppcf	Total dust.
		0.3 mg/m ³	Respirable.
		0.1 mg/m ³ 20 mppcf 2.4 mppcf	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Barium Sulfate (CAS 7727-43-7)	TWA	5 mg/m ³	Inhalable fraction.
Carbon Black (CAS 1333-86-4)	TWA	3 mg/m ³	Inhalable fraction.
Crystalline Quartz Regulatory (CAS 14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction.
Dibutyltin Dilaurate (CAS 77-58-7)	STEL	0.2 mg/m ³	
	TWA	0.1 mg/m ³	
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm	
Iron Oxide Regulatory (CAS 1309-37-1)	TWA	5 mg/m ³	Respirable fraction.
Phosphoric Acid Regulatory (CAS 7664-38-2)	STEL	3 mg/m ³	
	TWA	1 mg/m ³	
Talc (CAS 14807-96-6)	TWA	2 mg/m ³	Respirable fraction.
Tert Butyl Acetate (CAS 540-88-5)	TWA	200 ppm	
tert-Butyl Alcohol (CAS 75-65-0)	TWA	100 ppm	
Titanium Dioxide (CAS 1317-80-2)	TWA	10 mg/m ³	
Tremolite (Non-asbestiform) (CAS 14567-73-8)	TWA	0.1 fibers/cm ³	Fiber.
Xylene (CAS 1330-20-7)	STEL	150 ppm	
	TWA	100 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Barium Sulfate (CAS 7727-43-7)	TWA	5 mg/m ³	Respirable.
		10 mg/m ³	Total
Carbon Black (CAS 1333-86-4)	TWA	0.1 mg/m ³	
Crystalline Quartz Regulatory (CAS 14808-60-7)	TWA	0.05 mg/m ³	Respirable dust.
Dibutyltin Dilaurate (CAS 77-58-7)	TWA	0.1 mg/m ³	
Ethylbenzene (CAS 100-41-4)	STEL	545 mg/m ³	

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
		125 ppm	
	TWA	435 mg/m ³	
		100 ppm	
Iron Oxide Regulatory (CAS 1309-37-1)	TWA	5 mg/m ³	Dust and fume.
Phosphoric Acid Regulatory (CAS 7664-38-2)	STEL	3 mg/m ³	
	TWA	1 mg/m ³	
Silica (CAS 7631-86-9)	TWA	6 mg/m ³	
Silicon dioxide (CAS 112945-52-5)	TWA	6 mg/m ³	
Talc (CAS 14807-96-6)	TWA	2 mg/m ³	Respirable.
Tert Butyl Acetate (CAS 540-88-5)	TWA	950 mg/m ³	
		200 ppm	
tert-Butyl Alcohol (CAS 75-65-0)	STEL	450 mg/m ³	
		150 ppm	
	TWA	300 mg/m ³	
		100 ppm	

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Type	Value
Glycol Ether PM Acetate (CAS 108-65-6)	TWA	50 ppm

Biological limit values
ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines
US - California OELs: Skin designation

Dibutyltin Dilaurate (CAS 77-58-7)

Can be absorbed through the skin.

Glycol Ether PM Acetate (CAS 108-65-6)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Dibutyltin Dilaurate (CAS 77-58-7)

Skin designation applies.

US - Tennessee OELs: Skin designation

Dibutyltin Dilaurate (CAS 77-58-7)

Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Dibutyltin Dilaurate (CAS 77-58-7)

Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Dibutyltin Dilaurate (CAS 77-58-7)

Can be absorbed through the skin.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment
Eye/face protection

Chemical respirator with organic vapor cartridge and full facepiece.

Skin protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Hand protection	
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Color	Beige
Odor	Solvent.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	2876 °F (1580 °C) estimated
Initial boiling point and boiling range	208.04 °F (97.8 °C) estimated
Flash point	61.9 °F (16.6 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	1.5 % estimated
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	502.73 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	799 °F (426.11 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Density	2.43 g/cm ³ estimated
Flammability class	Flammable IB estimated
Percent volatile	36.22 w/w % By Weight 56.54 v/v % By Volume
Specific gravity	2.43 estimated
VOC (Weight %)	3.37 lb/gal (Actual VOC - With Water Less Exempts) 3.89 lb/gal (Regulatory VOC - Less Water Less Exempts) 403.64 g/L (Actual VOC - With Water With Exempts) 465.57 g/L (Regulatory VOC - Less Water Less Exempts)

10. Stability and reactivity

Reactivity Chemical stability	The product is stable and non-reactive under normal conditions of use, storage and transport.
Possibility of hazardous reactions	Material is stable under normal conditions. Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong acids. Strong oxidizing agents. Nitrates. Aluminum. Halogens. Phosphorus.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics
Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity

Harmful if inhaled. Harmful in contact with skin.

Components	Species	Test Results
Carbon Black (CAS 1333-86-4)		
Acute		
Oral LD50	Rat	> 8000 mg/kg
Dibutyltin Dilaurate (CAS 77-58-7)		
Acute		
Oral LD50	Rat	175 mg/kg
Ethylbenzene (CAS 100-41-4)		
Acute		
Dermal LD50	Rabbit	17800 mg/kg
Oral LD50	Rat	3500 mg/kg
Phosphoric Acid Regulatory (CAS 7664-38-2)		
Acute		
Dermal LD50	Rabbit	2740 mg/kg
Oral LD50	Rat	1530 mg/kg
Silica (CAS 7631-86-9)		
Acute		
Oral LD50	Mouse	> 15000 mg/kg
	Rat	> 22500 mg/kg

Components**Species****Test Results**

Silicon dioxide (CAS 112945-52-5) Causes serious eye irritation.

Acute**Oral**

LD50

Mouse

> 15000 mg/kg

Rat

> 22500 mg/kg

tert-Butyl Alcohol (CAS 75-65-0)

Acute**Oral**

LD50

Rabbit

3.6 g/kg

Rat

3.5 g/kg

Xylene (CAS 1330-20-7)

Acute**Dermal**

LD50

Rabbit

> 43 g/kg

Inhalation

LC50

Mouse

3907 mg/l, 6 Hours

Rat

6350 mg/l, 4 Hours

Oral

LD50

Mouse

1590 mg/kg

Skin corrosion/irritation**Serious eye damage/eye irritation**

Rat

3523 - 8600 mg/kg

Estimates for product may be based on additional component data not shown.

Respiratory or skin sensitization**Respiratory sensitization Skin**

Not a respiratory sensitizer.

sensitization Germ cell

This product is not expected to cause skin sensitization.

mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon Black (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

Crystalline Quartz Regulatory (CAS 14808-60-7)

1 Carcinogenic to humans.

Ethylbenzene (CAS 100-41-4)

2B Possibly carcinogenic to humans.

Iron Oxide Regulatory (CAS 1309-37-1)

3 Not classifiable as to carcinogenicity to humans. 3

Silica (CAS 7631-86-9)

Not classifiable as to carcinogenicity to humans. 3

Silicon dioxide (CAS 112945-52-5)

Not classifiable as to carcinogenicity to humans. 2B

Titanium Dioxide (CAS 1317-80-2)

Possibly carcinogenic to humans.

Tremolite (Non-asbestiform) (CAS 14567-73-8)

1 Carcinogenic to humans.

Xylene (CAS 1330-20-7)

3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Tremolite (Non-asbestiform) (CAS 14567-73-8)

Cancer

US. National Toxicology Program (NTP) Report on Carcinogens

Crystalline Quartz Regulatory (CAS 14808-60-7)

Known To Be Human Carcinogen.

Tremolite (Non-asbestiform) (CAS 14567-73-8)

Known To Be Human Carcinogen.

Reproductive toxicity

Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - Not classified, single exposure**Specific target organ toxicity - Causes damage to organs through prolonged or repeated exposure.****repeated exposure****Aspiration hazard**

Not an aspiration hazard.

Chronic effects

Causes damage to organs through prolonged or repeated exposure. Prolonged exposure may be harmful. Prolonged inhalation may cause chronic effects.

12. Ecological information**Ecotoxicity**

Toxic to aquatic life.

Test Results

Barium Sulfate (CAS 7727-43-7)

Aquatic

Crustacea	EC50	Tubificid worm (<i>Tubifex tubifex</i>)	28.61 - 38.03 mg/l, 48 hours
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Ethylbenzene (CAS 100-41-4)

Aquatic

Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	1.37 - 4.4 mg/l, 48 hours
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Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	7.5-11 mg/l, 96 hours
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Tert Butyl Acetate (CAS 540-88-5)

Aquatic

Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	296 - 362 mg/l, 96 hours
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tert-Butyl Alcohol (CAS 75-65-0)

Aquatic

Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	4607 - 6577 mg/l, 48 hours
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Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	6130 - 6700 mg/l, 96 hours
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Titanium Dioxide (CAS 1317-80-2)

Aquatic

Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	> 1000 mg/l, 48 hours
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Fish	LC50	Mummichog (<i>Fundulus heteroclitus</i>)	> 1000 mg/l, 96 hours
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Xylene (CAS 1330-20-7)

Aquatic

Fish	LC50	Bluegill (<i>Lepomis macrochirus</i>)	7.711 - 9.591 mg/l, 96 hours
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Harmful to aquatic life with long lasting effects.

Components**Species**

* Estimates for product may be based on additional component data not shown.

Partition coefficient n-octanol / water (log Kow)

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Dibutyltin Dilaurate	3.12
Ethylbenzene	3.15
Tert Butyl Acetate	1.76
tert-Butyl Alcohol	0.35
Xylene	3.12-3.2

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Disposal instructions**13. Disposal considerations**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or isposal.

14. Transport information

The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport.

DOT

UN number	UN1263
UN proper shipping name	Paint related material including paint thinning, drying, removing, or reducing compound
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Packing group	II
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	149, B52, IB2, T4, TP1, TP8, TP28
Packaging exceptions	150
Packaging non bulk	173
Packaging bulk	242

IATA

UN number	UN1263
UN proper shipping name	Paint related material (including paint thinning or reducing compounds)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	No.
ERG Code	3L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed.
Cargo aircraft only	Allowed.

IMDG

UN number	UN1263
UN proper shipping name	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packing group	II
Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-E
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT





15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

One or more components are not listed on TSCA.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Tremolite (Non-asbestiform) (CAS 14567-73-8) 0.1 % Annual Export Notification required.

CERCLA Hazardous Substance List (40 CFR 302.4)

Barium Sulfate (CAS 7727-43-7)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
Phosphoric Acid Regulatory (CAS 7664-38-2)	Listed.
Tert Butyl Acetate (CAS 540-88-5)	Listed.
tert-Butyl Alcohol (CAS 75-65-0)	Listed.
Tremolite (Non-asbestiform) (CAS 14567-73-8)	Listed.
Xylene (CAS 1330-20-7)	Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Tremolite (Non-asbestiform) (CAS 14567-73-8)	Cancer Lung
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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - Yes
	Pressure Hazard - No
	Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Xylene	1330-20-7	10 - < 30
Ethylbenzene	100-41-4	0 < 5
tert-Butyl Alcohol	75-65-0	0 < 5
Tremolite (Non-asbestiform)	14567-73-8	0 < 5

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethylbenzene (CAS 100-41-4)
Tremolite (Non-asbestiform) (CAS 14567-73-8)
Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.

(a)

Carbon Black (CAS 1333-86-4)
Crystalline Quartz Regulatory (CAS 14808-60-7)
Ethylbenzene (CAS 100-41-4)
Phosphoric Acid Regulatory (CAS 7664-38-2)
Talc (CAS 14807-96-6) tert-Butyl Alcohol (CAS 75-65-0)
Titanium Dioxide (CAS 1317-80-2)
Tremolite (Non-asbestiform) (CAS 14567-73-8)
Xylene (CAS 1330-20-7)

US. Massachusetts RTK - Substance List Barium Sulfate (CAS 7727-43-7)

Carbon Black (CAS 1333-86-4)
Crystalline Quartz Regulatory (CAS 14808-60-7)
Ethylbenzene (CAS 100-41-4)
Iron Oxide Regulatory (CAS 1309-37-1)
Phosphoric Acid Regulatory (CAS 7664-38-2)
Silica (CAS 7631-86-9)
Silicon dioxide (CAS 112945-52-5)
Talc (CAS 14807-96-6)
Tert Butyl Acetate (CAS 540-88-5) tert-Butyl Alcohol (CAS 75-65-0)
Titanium Dioxide (CAS 1317-80-2)
Tremolite (Non-asbestiform) (CAS 14567-73-8)
Xylene (CAS 1330-20-7)

US. New Jersey Worker and Community Right-to-Know Act

Barium Sulfate (CAS 7727-43-7)
Carbon Black (CAS 1333-86-4)
Crystalline Quartz Regulatory (CAS 14808-60-7)
Ethylbenzene (CAS 100-41-4)
Iron Oxide Regulatory (CAS 1309-37-1)
Phosphoric Acid Regulatory (CAS 7664-38-2)
Silica (CAS 7631-86-9)
Talc (CAS 14807-96-6)
Tert Butyl Acetate (CAS 540-88-5) tert-Butyl Alcohol (CAS 75-65-0)
Titanium Dioxide (CAS 1317-80-2)
Tremolite (Non-asbestiform) (CAS 14567-73-8)
Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Barium Sulfate (CAS 7727-43-7)
Carbon Black (CAS 1333-86-4)
Crystalline Quartz Regulatory (CAS 14808-60-7)
Ethylbenzene (CAS 100-41-4)
Iron Oxide Regulatory (CAS 1309-37-1)
Phosphoric Acid Regulatory (CAS 7664-38-2)
Silica (CAS 7631-86-9)
Silicon dioxide (CAS 112945-52-5)
Talc (CAS 14807-96-6)
Tert Butyl Acetate (CAS 540-88-5) tert-Butyl Alcohol (CAS 75-65-0)
Titanium Dioxide (CAS 1317-80-2)
Tremolite (Non-asbestiform) (CAS 14567-73-8)
Xylene (CAS 1330-20-7)

US. Rhode Island RTK

Ethylbenzene (CAS 100-41-4)
Phosphoric Acid Regulatory (CAS 7664-38-2)
Tert Butyl Acetate (CAS 540-88-5) tert-Butyl Alcohol (CAS 75-65-0)
Tremolite (Non-asbestiform) (CAS 14567-73-8)
Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This Product contains a chemical known to the State of California to cause cancer

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Carbon Black (CAS 1333-86-4)	Listed: February 21, 2003
Crystalline Quartz Regulatory (CAS 14808-60-7)	Listed: October 1, 1988
Ethylbenzene (CAS 100-41-4)	Listed: June 11, 2004
Titanium Dioxide (CAS 1317-80-2)	Listed: September 2, 2011
Tremolite (Non-asbestiform) (CAS 14567-73-8)	Listed: February 27, 1987

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 07-31-2015

Version # 01

Disclaimer Our Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.