



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Canadian Hazardous Products Regulations (HPR: SOR/2015-17)

Issuing Date 24-Jan-2019

Revision Date: 24-Jan-2019

Revision Number: 1

## 1. Identification

### Product identifier

**Product Name** BENJAMIN MOORE FAST DRY POLYAMIDE EPOXY COATING CATALYST

### Other means of identification

**Product Code** V410-90

**Alternate Product Code** V41090

**UN-No.** UN1263

**Synonyms** No information available

### Recommended use of the chemical and restrictions on use

**Recommended use** Industrial paint

**Restrictions on use** No information available

### Details of the supplier of the safety data sheet

#### Initial Supplier Identifier

Benjamin Moore & Co. Ltd.  
8775 Keele Street  
Concord, ON L4K 2N1  
www.benjaminmoore.ca  
Telephone: 1-800-361-5898

#### Manufacturer Address

Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
www.benjaminmoore.com  
Telephone: 1-855-724-6802

### Emergency telephone number

**Initial supplier phone number** 1-800-361-5898

**Company Phone Number** 1-855-724-6802

**Emergency Telephone** CHEMTREC (US): 800-424-9300  
CHEMTREC (outside US): (703)-527-3887  
CANUTEC: 613-996-6666 (CND)

## 2. Hazard(s) identification

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Skin sensitization	Category 1

Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration hazard	Category 1
Flammable liquids	Category 3

**Appearance** clear, light colored liquid

**Physical state** Liquid

**Odor** No information available

**Label elements**

**Danger**

**Hazard statements**

- Causes skin irritation
- Causes serious eye damage
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause an allergic skin reaction
- Suspected of causing cancer
- Suspected of damaging fertility or the unborn child
- May cause respiratory irritation
- Causes damage to organs through prolonged or repeated exposure
- May be fatal if swallowed and enters airways
- Flammable liquid and vapor



**Precautionary Statements - Prevention**

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Wear protective gloves/protective clothing/eye protection/face protection
- Wash face, hands and any exposed skin thoroughly after handling
- In case of inadequate ventilation wear respiratory protection
- Contaminated work clothing must not be allowed out of the workplace
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not eat, drink or smoke when using this product
- Use only outdoors or in a well-ventilated area
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical, ventilating and lighting equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep cool

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor

**Skin**

If skin irritation or rash occurs: Get medical advice/attention

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
Wash contaminated clothing before reuse

**Inhalation**

If experiencing respiratory symptoms: Call a POISON CENTER or doctor  
IF INHALED: Remove person to fresh air and keep comfortable for breathing

**Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor  
Do NOT induce vomiting

**Fire**

In case of fire: Use CO2, dry chemical, or foam to extinguish

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other information**

Toxic to aquatic life with long lasting effects Toxic to aquatic life

**IMPORTANT:** Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

**3. Composition/information on ingredients**

**Substance**

Not applicable.

**Mixture**

Chemical name	CAS No.	Weight-%	Trade secret	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Limestone	1317-65-3	15 - 40	*	-	-
Talc	14807-96-6	10 - 30	*	-	-
Polyamine adduct	Trade Secret	7 - 13	*	-	-
Xylene	1330-20-7	5 - 10	*	-	-
Benzyl alcohol	100-51-6	5 - 10	*	-	-
Silica, mica	12001-26-2	5 - 10	*	-	-
Solvent naphtha, petroleum, light aromatic	64742-95-6	1 - 5	*	-	-
Ethyl benzene	100-41-4	1 - 5	*	-	-
1,2,4-Trimethylbenzene	95-63-6	1 - 5	*	-	-
Isophoronediamine	2855-13-2	1 - 5	*	-	-
Phenol, 2,4,6-tris[(dimethylamino)methyl]-	90-72-2	0.5 - 1.5	*	-	-
Amine-Epoxy Resin Adduct	Trade Secret	0.5 - 1.5	*	-	-
Nonylphenol	84852-15-3	0.1 - 1.0	*	-	-
Triethylenetetramine	112-24-3	0.1 - 1.0	*	-	-
Bis[(dimethylamino)methyl] phenol	71074-89-0	0.1 - 1.0	*	-	-

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid measures

### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. May cause allergic respiratory reaction. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Get immediate medical advice/attention. Aspiration into lungs can produce severe lung damage. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Get immediate medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. May produce an allergic reaction. Get immediate medical advice/attention. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Burning sensation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or wheezing. Itching. Rashes. Hives. Difficulty in breathing. Dizziness.
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### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	May cause sensitization in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.
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## 5. Fire-fighting measures

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitizer. May cause sensitization by inhalation and skin contact. May cause sensitization by skin contact.

**Explosion Data**

Sensitivity to mechanical impact No

Sensitivity to static discharge Yes

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling** Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Provide extract ventilation to points where emissions occur. In case of insufficient ventilation, wear suitable respiratory equipment. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

**8. Exposure controls/personal protection**

**Control parameters**

**Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Limestone 1317-65-3	-	15 mg/m <sup>3</sup> - TWA 5 mg/m <sup>3</sup> - TWA	-	
Talc 14807-96-6	2 mg/m <sup>3</sup> - TWA	20 mppcf - TWA	1000 mg/m <sup>3</sup> IDLH (containing no asbestos and <1% quartz)	
Xylene 1330-20-7	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 435 mg/m <sup>3</sup> - TWA	-	
Silica, mica 12001-26-2	3 mg/m <sup>3</sup> - TWA	20 mppcf - TWA	1500 mg/m <sup>3</sup> IDLH (containing <1% quartz)	
Ethyl benzene 100-41-4	20 ppm - TWA	100 ppm - TWA 435 mg/m <sup>3</sup> - TWA	800 ppm IDLH (10% LEL)	
Chemical name	Alberta	British Columbia	Ontario	Quebec
Limestone 1317-65-3	10 mg/m <sup>3</sup> - TWA	10 mg/m <sup>3</sup> - TWA 3 mg/m <sup>3</sup> - TWA 20 mg/m <sup>3</sup> - STEL	-	10 mg/m <sup>3</sup> - TWAEV
Talc 14807-96-6	2 mg/m <sup>3</sup> - TWA	2 mg/m <sup>3</sup> - TWA	2 mg/m <sup>3</sup> - TWA	3 mg/m <sup>3</sup> - TWAEV
Xylene 1330-20-7	100 ppm - TWA 434 mg/m <sup>3</sup> - TWA 150 ppm - STEL 651 mg/m <sup>3</sup> - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWA 150 ppm - STEL	100 ppm - TWAEV 434 mg/m <sup>3</sup> - TWAEV 150 ppm - STEV 651 mg/m <sup>3</sup> - STEV
Silica, mica 12001-26-2	3 mg/m <sup>3</sup> - TWA	3 mg/m <sup>3</sup> - TWA	3 mg/m <sup>3</sup> - TWA	3 mg/m <sup>3</sup> - TWAEV
Ethyl benzene 100-41-4	100 ppm - TWA 434 mg/m <sup>3</sup> - TWA 125 ppm - STEL 543 mg/m <sup>3</sup> - STEL	20 ppm - TWA	20 ppm - TWA	100 ppm - TWAEV 434 mg/m <sup>3</sup> - TWAEV 125 ppm - STEV 543 mg/m <sup>3</sup> - STEV
Triethylenetetramine 112-24-3	-	-	0.5 ppm - TWA 3 mg/m <sup>3</sup> - TWA Danger of cutaneous absorption	-

**Appropriate engineering controls**

**Engineering controls**                      Showers  
    Eyewash stations  
    Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Tight sealing safety goggles.

**Hand protection**                              Wear suitable gloves. Impervious gloves.

**Skin and body protection**                      Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.  
    Antistatic boots.

**Respiratory protection**                      In case of insufficient ventilation wear suitable respiratory equipment.

**General hygiene considerations**                      Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	clear, light colored liquid
Color	Clear
Odor	No information available
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	100 °C / 212 °F	
Flash point	27 °C / 81 °F	PMCC
Evaporation rate	No data available	None known
Flammability (solid, gas)	Not applicable	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	no data available	None known
Vapor density	No data available	None known
Relative Density	1.48 - 1.52	
Water solubility	No data available	None known
Solubility in other solvents		None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

### Other information

Explosive properties	No information available
Oxidizing properties	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC Regulatory Limit (g/L)	<250
Density (lbs/gal)	12.4 - 12.7
Bulk density	No information available

## 10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous decomposition products	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

**Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause sensitization in susceptible persons. (based on components). Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes. (based on components).
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking. Causes skin irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause additional affects as listed under "Inhalation". Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Symptoms</b>	Redness. Burning. May cause blindness. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. Itching. Rashes. Hives. Difficulty in breathing. Dizziness. May cause redness and tearing of the eyes.
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**Acute toxicity**

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	5,268.50 mg/kg
<b>ATEmix (dermal)</b>	5,659.40 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	8.13 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Polyamine adduct	< 2000 mg/kg	>2000 mg/kg	= 5.0 mg/L ( Rat ) 4 h
Xylene 1330-20-7	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h
Benzyl alcohol 100-51-6	= 1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	= 8.8 mg/L ( Rat ) 4 h
Solvent naphtha, petroleum, light aromatic 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h
Ethyl benzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h
1,2,4-Trimethylbenzene 95-63-6	= 3280 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	= 18 g/m <sup>3</sup> ( Rat ) 4 h
Isophoronediamine 2855-13-2	= 1030 mg/kg ( Rat )	-	-
Phenol, 2,4,6-tris[(dimethylamino)methyl]	= 1200 mg/kg ( Rat )	= 1280 mg/kg ( Rat )	-



]- 90-72-2			
Nonylphenol 84852-15-3	= 1300 mg/kg ( Rat )	= 2031 mg/kg ( Rabbit )	-
Triethylenetetramine 112-24-3	= 2500 mg/kg ( Rat )	= 550 mg/kg ( Rabbit )	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Classification based on data available for ingredients. Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.
<b>Respiratory or skin sensitization</b>	May cause sensitization by inhalation. May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Classification based on data available for ingredients.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl benzene 100-41-4	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans	2B - Possible Human Carcinogen	-	Listed

- Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

<b>Reproductive toxicity</b>	Classification based on data available for ingredients.
<b>STOT - single exposure</b>	May cause respiratory irritation.
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

**12. Ecological information**

**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Talc 14807-96-6	-	LC50 > 100 g/L Brachydanio rerio (96 h)	-	-
Xylene 1330-20-7	-	LC50 = 13.4 mg/L Pimephales promelas (96 h) LC50 = 13.5 - 17.3 mg/L Oncorhynchus mykiss (96 h) LC50 = 2.661 - 4.093 mg/L Oncorhynchus mykiss (96 h) LC50 = 13.1 - 16.5 mg/L Lepomis macrochirus (96 h) LC50 = 23.53 - 29.97 mg/L Pimephales promelas (96 h) LC50 = 30.26 - 40.75 mg/L Poecilia reticulata (96 h) LC50 = 19 mg/L Lepomis macrochirus (96 h) LC50 = 780 mg/L Cyprinus carpio (96 h) LC50 > 780 mg/L Cyprinus carpio (96 h)	EC50 = 0.0084 mg/L (24 h)	LC50 = 0.6 mg/L (48 h) EC50 = 3.82 mg/L (48 h)

Benzyl alcohol 100-51-6	-	LC50 = 7.711 - 9.591 mg/L <i>Lepomis macrochirus</i> (96 h) LC50 = 460 mg/L <i>Pimephales promelas</i> (96 h) LC50 = 10 mg/L <i>Lepomis macrochirus</i> (96 h)	EC50 = 50 mg/L (5 min) EC50 = 63.7 mg/L (15 min) EC50 = 63.7 mg/L (5 min) EC50 = 71.4 mg/L (30 min)	EC50 = 23 mg/L (48 h)
Solvent naphtha, petroleum, light aromatic 64742-95-6	-	LC50 = 9.22 mg/L <i>Oncorhynchus mykiss</i> (96 h)	-	EC50 = 6.14 mg/L (48 h)
Ethyl benzene 100-41-4	EC50 = 4.6 mg/L (72 h) EC50 = 2.6 - 11.3 mg/L (72 h)	LC50 11.0 - 18.0 mg/L <i>Oncorhynchus mykiss</i> (96 h) LC50 = 4.2 mg/L <i>Oncorhynchus mykiss</i> (96 h) LC50 = 7.55 - 11 mg/L <i>Pimephales promelas</i> (96 h) LC50 = 9.1 - 15.6 mg/L <i>Pimephales promelas</i> (96 h) LC50 = 9.6 mg/L <i>Poecilia reticulata</i> (96 h) LC50 = 32 mg/L <i>Lepomis macrochirus</i> (96 h)	EC50 = 9.68 mg/L (30 min) EC50 = 96 mg/L (24 h)	EC50 = 1.8 - 2.4 mg/L (48 h)
1,2,4-Trimethylbenzene 95-63-6	-	LC50 7.19 - 8.28 mg/L <i>Pimephales promelas</i> (96 h)	-	EC50 = 6.14 mg/L (48 h)
Isophoronediamine 2855-13-2	EC50 = 37 mg/L (72 h)	LC50 = 110 mg/L <i>Leuciscus idus</i> (96 h)	-	EC50 14.6 - 21.5 mg/L (48 h) EC50 = 42 mg/L (24 h)
Nonylphenol 84852-15-3	EC50 0.16 - 0.72 mg/L (72 h) EC50 = 1.3 mg/L (72 h)	LC50 = 0.135 mg/L <i>Pimephales promelas</i> (96 h) LC50 = 0.1351 mg/L <i>Lepomis macrochirus</i> (96 h)	-	EC50 = 0.14 mg/L (48 h)
Triethylenetetramine 112-24-3	EC50 = 2.5 mg/L (72 h) EC50 = 20 mg/L (72 h)	LC50 = 570 mg/L <i>Poecilia reticulata</i> (96 h) LC50 = 495 mg/L <i>Pimephales promelas</i> (96 h)	-	EC50 = 31.1 mg/L (48 h)

**Persistence / Degradability** No information available.

**Bioaccumulation** No information available.

**Component Information**

Chemical name	Partition coefficient
Xylene 1330-20-7	3.15
Benzyl alcohol 100-51-6	1.1
Ethyl benzene 100-41-4	3.118
1,2,4-Trimethylbenzene 95-63-6	3.63
Isophoronediamine 2855-13-2	0.79
Triethylenetetramine 112-24-3	-1.4

**Other adverse effects** No information available.

**13. Disposal considerations**

**Waste treatment methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**14. Transport information**

**DOT**

UN-No.	UN1263
Proper Shipping Name	PAINT
Hazard class	3
Packing Group	III
Special Provisions	B1, B52, IB3, T2, TP1, TP29, 367, B131
Description	UN1263, PAINT, 3, III
Emergency Response Guide Number	128

**TDG**

UN-No.	UN1263
Proper Shipping Name	PAINT
Hazard class	3
Packing Group	III
Special Provisions	59, 142
Description	UN1263, PAINT, 3, III

**IATA**

UN number	UN1263
Proper shipping name	PAINT
Transport hazard class(es)	3
Packing group	III
ERG Code	3L
Special Provisions	A3, A72, A192
Description	UN1263, PAINT, 3, III

**IMDG**

UN number	UN1263
Proper Shipping Name	PAINT
Transport hazard class(es)	3
Packing Group	III
EmS No.	F-E, S-E
Special Provisions	163, 223, 367 955
Description	UN1263, PAINT, 3, III, (27°C C.C.)

**15. Regulatory information**

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

**International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer not applicable

The Stockholm Convention on Persistent Organic Pollutants not applicable

The Rotterdam Convention not applicable

**International Inventories**

TSCA: United States Yes - All components are listed or exempt.

DSL: Canada Yes - All components are listed or exempt.

EINECS/ELINCS Contact supplier for inventory compliance status.

ENCS Contact supplier for inventory compliance status.

IECSC Contact supplier for inventory compliance status.

KECL Contact supplier for inventory compliance status.

PICCS Contact supplier for inventory compliance status.

AICS Contact supplier for inventory compliance status.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.:

Chemical name	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1.0
Ethyl benzene - 100-41-4	0.1
1,2,4-Trimethylbenzene - 95-63-6	1.0

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene 1330-20-7	100 lb	-	-	X
Ethyl benzene 100-41-4	1000 lb	X	X	X

**CAA (Clean Air Act)**

This product contains the following hazardous air pollutants (HAPs), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

Chemical name	CAA (Clean Air Act)
Xylene 1330-20-7	X
Ethyl benzene 100-41-4	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	SARA RQ
Xylene 1330-20-7	100	-	100 lb 45.4 kg
Ethyl benzene 100-41-4	1000	-	1000 lb 454 kg

**US State Regulations**

**California Proposition 65**

 **WARNING:** Cancer and Reproductive Harm– [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**State Right-to-Know**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Limestone 1317-65-3	X	X	X
Talc 14807-96-6	X	X	X
Xylene 1330-20-7	X	X	X
Benzyl alcohol 100-51-6	-	X	X
Silica, mica 12001-26-2	X	X	X
Ethyl benzene 100-41-4	X	X	X
1,2,4-Trimethylbenzene 95-63-6	X	X	X
Silica, crystalline 14808-60-7	X	X	X

**16. Other information**

**NFPA**      **Health: 2**                      **Flammability: 3**                      **Instability: 0**                      **Special: Not Applicable**

**NFPA Legend**

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used. Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

**HMIS**                      **Health: 2\***                      **Flammability: 3**                      **Reactivity: 0**                      **PPE: -**

**HMIS Legend**

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- \* - Chronic Hazard
- X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**Key or legend to abbreviations and acronyms used in the safety data sheet**

N/E	Not established	N/A	Not applicable
TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

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**Disclaimer**

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**End of MSDS**