

# CLOVASHIELD ACRYLIC EPOXY ENAMEL CLEAR

## Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 11/10/2016 Version: 1.00

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
 Product name : CLOVASHIELD ACRYLIC EPOXY ENAMEL CLEAR  
 Product code : 83803A  
 Product group : Trade product

#### 1.2. Recommended use and restrictions on use

Recommended use : Coatings and paints, thinners, paint removers

#### 1.3. Supplier

Cloverdale Paint Inc.  
 400- 2630 Croydon Drive  
 V3Z 6T3 Winnipeg - CANADA  
 T 1-(604)-596-6261  
[btinsley@cloverdalepaint.com](mailto:btinsley@cloverdalepaint.com) - [www.cloverdalepaint.com](http://www.cloverdalepaint.com)

#### 1.4. Emergency telephone number

Emergency number : CANUTEC 24 hr. Emergency Number (613) 996-6666

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-CA)

Flammable liquids H225  
 Category 2  
 Skin corrosion/irritation H315  
 Category 2  
 Serious eye damage/eye irritation H318  
 Category 1  
 Specific target organ toxicity (repeated exposure) Category 2 H373

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-CA labeling

Hazard pictograms (GHS-CA) :



Signal word (GHS-CA) :

Danger

Hazard statements (GHS-CA) :

H225 - Highly flammable liquid and vapor  
 H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H373 - May cause damage to organs (kidneys, liver, lungs) through prolonged or repeated exposure (Dermal, Inhalation, oral)

Precautionary statements (GHS-CA) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
 P233 - Keep container tightly closed  
 P240 - Ground/bond container and receiving equipment  
 P241 - Use explosion-proof electrical, lighting, ventilating equipment  
 P242 - Use only non-sparking tools  
 P260 - Do not breathe mist, spray, vapors  
 P264 - Wash Skin thoroughly after handling  
 P280 - Wear eye protection, protective clothing, protective gloves  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water

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P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P314 - Get medical advice/attention if you feel unwell  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P362+P364 - Take off contaminated clothing and wash it before reuse  
P370+P378 - In case of fire: Use carbon dioxide (CO<sub>2</sub>), foam, Dry chemical. to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to an approved waste disposal plant

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-CA)

No data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
PURE XYLENE	Benzene, dimethyl- / Dimethylbenzene (mixed isomers) / Xylene / Xylene (all isomers) / Xylene (mixed isomers) / Xylene (o-, m-, p- isomers) / Xylenes / Xylenes (mixed isomers) / Dimethylbenzene / Xylol / Benzene, dimethyl-, mixed isomers / Xylenes (all isomers) / Xylenes (nos) / XYLENE / C8 disubstituted benzenes / Dimethylbenzenes / Xylene isomers mixture / Dimethylbenzene (2-, 3-, 4-isomers) / Dimethylbenzene (mixed 2-, 3-, 4-isomers) / Benzene, dimethyl- / Dimethylbenzene (mixed isomers) / Xylene / Xylene (all isomers) / Xylene (mixed isomers) / Xylene (o-, m-, p- isomers) / Xylenes / Xylenes (mixed isomers) / Dimethylbenzene / Xylol / Benzene, dimethyl-, mixed isomers / Xylenes (all isomers) / Xylenes (nos) / XYLENE / C8 disubstituted benzenes / Dimethylbenzenes / Xylene isomers mixture / Dimethylbenzene (2-, 3-, 4-isomers) / Dimethylbenzene (mixed 2-, 3-, 4-isomers)	(CAS No) 1330-20-7	14.8	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Aquatic Acute 1, H400
N-BUTYL ACETATE - BULK	1-Butyl acetate / Butyl acetate, n- / Normal butyl acetate / Butyl acetate / BUTYL ACETATE / Acetic acid, n-butyl ester / Acetic acid, butyl ester / Butyl ethanoate / 1-Butylacetate / 1-Butyl acetate / Butyl acetate, n- / Normal butyl acetate / Butyl acetate / BUTYL ACETATE / Acetic acid, n-butyl ester / Acetic acid, butyl ester / Butyl ethanoate / 1-Butylacetate	(CAS No) 123-86-4	14.3	Flam. Liq. 2, H225 STOT SE 3, H336
ETHYLBENZENE	Benzene, ethyl- / Phenylethane / Benzene, ethyl- / Phenylethane	(CAS No) 100-41-4	6.4	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapor), H332 STOT RE 2, H373 Asp. Tox. 1, H304
ISOBUTANOL	1-Propanol, 2-methyl- / 2-Methyl-1-propanol / 2-Methylpropan-1-ol / Isobutanol / Butanol, iso- / 2-Methylpropanol / 1-Propanol, 2-methyl- / 2-Methyl-1-propanol / 2-Methylpropan-1-ol / Isobutanol / Butanol, iso- / 2-Methylpropanol	(CAS No) 78-83-1	3.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
EEP (2-ETHOXYETHYL PROPIONATE)	Ethyl 3-ethoxypropionate / Propanoic acid, 3-ethoxy-, ethyl ester / Propionate, 3-ethoxy-, ethyl / Propionic acid, 3-ethoxy-, ethyl ester / EEP solvent / 3-Ethoxypropionic acid, ethyl ester / Ethyl .beta.-ethoxypropionate / Ethyl 3-ethoxypropionate / Propanoic acid, 3-ethoxy-, ethyl ester / Propionate, 3-ethoxy-, ethyl / Propionic acid, 3-ethoxy-, ethyl ester / EEP solvent / 3-Ethoxypropionic acid, ethyl ester / Ethyl .beta.-ethoxypropionate	(CAS No) 763-69-9	2.9	Flam. Liq. 3, H226
UV STABILIZER	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol / Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- / Phenol, 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentyl- / 2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol / Benzotriazole, 2-(2'-hydroxy-3,5-di-tert-amylphenyl) / 2-(2'-Hydroxy-3',5'-di-tert-amylphenyl)benzotriazole / 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol / 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) / 2-(2'-Hydroxy-3,5'-diteramylphenyl) benzotriazole / 2-(2H-Benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol / 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol / Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)- / Phenol, 2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentyl- / 2-(2H-1,2,3-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol / Benzotriazole, 2-(2'-hydroxy-3,5-di-tert-amylphenyl) / 2-(2'-Hydroxy-3',5'-di-tert-amylphenyl)benzotriazole / 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol / 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) / 2-(2'-Hydroxy-3,5'-diteramylphenyl) benzotriazole / 2-(2H-Benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol	(CAS No) 25973-55-1	0.6	Not classified

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
- First-aid measures general : IF exposed or concerned: Get medical advice/attention.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after inhalation : May cause respiratory irritation. May cause headache and dizziness.
- Symptoms/injuries after skin contact : Irritation. Repeated or prolonged contact may cause sensitization of the skin (dermatitis, reddening,...).
- Symptoms/injuries after eye contact : Serious damage to eyes.
- Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

### 4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

- Suitable extinguishing media : Dry chemical. Foam. Carbon dioxide.

### 5.2. Unsuitable extinguishing media

No additional information available

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### 5.3. Specific hazards arising from the hazardous product

- Fire hazard : Highly flammable liquid and vapor.  
Explosion hazard : May form flammable/explosive vapor-air mixture.

### 5.4. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Eliminate all ignition sources if safe to do so. Evacuate area. Exercise caution when fighting any chemical fire. Use extinguishing agent suitable for surrounding fire. Use water spray or fog for cooling exposed containers. Wear personal protective equipment.  
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes. Avoid inhalation of vapor and spray mist. Eliminate every possible source of ignition. Evacuate area. Ground and bond container and receiving equipment. Ventilate area. Wear personal protective equipment. Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel).

### 6.2. Methods and materials for containment and cleaning up

- For containment : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect spillage. Dispose of contaminated materials in accordance with current regulations.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.3. Reference to other sections

For further information refer to section 8 "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe mist, spray, vapors. Avoid contact with skin and eyes.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.  
Additional hazards when processed : Avoid breathing dust, mist or spray. Avoid contact with skin and eyes. Ensure good ventilation of the work station. Ground and bond container and receiving equipment. Handle carefully.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.  
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.  
Incompatible products : Oxidizing agent. Strong bases. strong acids.  
Incompatible materials : Halogens. Reducing agents. Water.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)		
Ontario	OEL TWA (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Ontario	OEL TWA (ppm)	50 ppm
N-BUTYL ACETATE - BULK (123-86-4)		
USA - ACGIH	ACGIH TWA (ppm)	150 ppm
USA - ACGIH	ACGIH STEL (ppm)	200 ppm
USA - ACGIH	Remark (ACGIH)	Eye & URT irr
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	710 mg/m <sup>3</sup>

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<b>N-BUTYL ACETATE - BULK (123-86-4)</b>		
USA - OSHA	OSHA PEL (TWA) (ppm)	150 ppm
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	200 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	713 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	150 ppm
Alberta	OEL STEL (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Alberta	OEL STEL (ppm)	200 ppm
Alberta	OEL TWA (mg/m <sup>3</sup> )	713 mg/m <sup>3</sup>
Alberta	OEL TWA (ppm)	150 ppm
British Columbia	OEL TWA (ppm)	20 ppm
Manitoba	OEL STEL (ppm)	150 ppm
Manitoba	OEL TWA (ppm)	50 ppm
New Brunswick	OEL STEL (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
New Brunswick	OEL STEL (ppm)	200 ppm
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	713 mg/m <sup>3</sup>
New Brunswick	OEL TWA (ppm)	150 ppm
New Foundland & Labrador	OEL STEL (ppm)	150 ppm
New Foundland & Labrador	OEL TWA (ppm)	50 ppm
Nova Scotia	OEL STEL (ppm)	150 ppm
Nova Scotia	OEL TWA (ppm)	50 ppm
Nunavut	OEL STEL (ppm)	200 ppm
Nunavut	OEL TWA (ppm)	150 ppm
Northwest Territories	OEL STEL (ppm)	200 ppm
Northwest Territories	OEL TWA (ppm)	150 ppm
Ontario	OEL STEL (ppm)	200 ppm
Ontario	OEL TWA (ppm)	150 ppm
Prince Edward Island	OEL STEL (ppm)	150 ppm
Prince Edward Island	OEL TWA (ppm)	50 ppm
Québec	VECD (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Québec	VECD (ppm)	200 ppm
Québec	VEMP (mg/m <sup>3</sup> )	713 mg/m <sup>3</sup>
Québec	VEMP (ppm)	150 ppm
Saskatchewan	OEL STEL (ppm)	200 ppm
Saskatchewan	OEL TWA (ppm)	150 ppm
Yukon	OEL STEL (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Yukon	OEL STEL (ppm)	200 ppm
Yukon	OEL TWA (mg/m <sup>3</sup> )	710 mg/m <sup>3</sup>
Yukon	OEL TWA (ppm)	150 ppm
<b>ETHYLBENZENE (100-41-4)</b>		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	543 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	125 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	100 ppm
Alberta	OEL STEL (mg/m <sup>3</sup> )	543 mg/m <sup>3</sup>
Alberta	OEL STEL (ppm)	125 ppm
Alberta	OEL TWA (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
Alberta	OEL TWA (ppm)	100 ppm
British Columbia	OEL TWA (ppm)	20 ppm
Manitoba	OEL TWA (ppm)	20 ppm

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<b>ETHYLBENZENE (100-41-4)</b>		
New Brunswick	OEL STEL (mg/m <sup>3</sup> )	543 mg/m <sup>3</sup>
New Brunswick	OEL STEL (ppm)	125 ppm
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
New Brunswick	OEL TWA (ppm)	100 ppm
New Foundland & Labrador	OEL TWA (ppm)	20 ppm
Nova Scotia	OEL TWA (ppm)	20 ppm
Nunavut	OEL STEL (ppm)	125 ppm
Nunavut	OEL TWA (ppm)	100 ppm
Northwest Territories	OEL STEL (ppm)	125 ppm
Northwest Territories	OEL TWA (ppm)	100 ppm
Ontario	OEL TWA (ppm)	20 ppm
Prince Edward Island	OEL TWA (ppm)	20 ppm
Québec	VECD (mg/m <sup>3</sup> )	543 mg/m <sup>3</sup>
Québec	VECD (ppm)	125 ppm
Québec	VEMP (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
Québec	VEMP (ppm)	100 ppm
Saskatchewan	OEL STEL (ppm)	125 ppm
Saskatchewan	OEL TWA (ppm)	100 ppm
Yukon	OEL STEL (mg/m <sup>3</sup> )	545 mg/m <sup>3</sup>
Yukon	OEL STEL (ppm)	125 ppm
Yukon	OEL TWA (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
Yukon	OEL TWA (ppm)	100 ppm
<b>PURE XYLENE (1330-20-7)</b>		
USA - ACGIH	ACGIH TWA (ppm)	100 ppm
USA - ACGIH	ACGIH STEL (ppm)	150 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Canada (Quebec)	VECD (mg/m <sup>3</sup> )	651 mg/m <sup>3</sup>
Canada (Quebec)	VECD (ppm)	150 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	100 ppm
Alberta	OEL STEL (mg/m <sup>3</sup> )	651 mg/m <sup>3</sup>
Alberta	OEL STEL (ppm)	150 ppm
Alberta	OEL TWA (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
Alberta	OEL TWA (ppm)	100 ppm
British Columbia	OEL STEL (ppm)	150 ppm
British Columbia	OEL TWA (ppm)	100 ppm
Manitoba	OEL STEL (ppm)	150 ppm
Manitoba	OEL TWA (ppm)	100 ppm
New Brunswick	OEL STEL (mg/m <sup>3</sup> )	651 mg/m <sup>3</sup>
New Brunswick	OEL STEL (ppm)	150 ppm
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
New Brunswick	OEL TWA (ppm)	100 ppm
New Foundland & Labrador	OEL STEL (ppm)	150 ppm
New Foundland & Labrador	OEL TWA (ppm)	100 ppm
Nova Scotia	OEL STEL (ppm)	150 ppm
Nova Scotia	OEL TWA (ppm)	100 ppm
Nunavut	OEL STEL (ppm)	150 ppm
Nunavut	OEL TWA (ppm)	100 ppm
Northwest Territories	OEL STEL (ppm)	150 ppm

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<b>PURE XYLENE (1330-20-7)</b>		
Northwest Territories	OEL TWA (ppm)	100 ppm
Ontario	OEL STEL (ppm)	150 ppm
Ontario	OEL TWA (ppm)	100 ppm
Prince Edward Island	OEL STEL (ppm)	150 ppm
Prince Edward Island	OEL TWA (ppm)	100 ppm
Québec	VECD (mg/m <sup>3</sup> )	651 mg/m <sup>3</sup>
Québec	VECD (ppm)	150 ppm
Québec	VEMP (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
Québec	VEMP (ppm)	100 ppm
Saskatchewan	OEL STEL (ppm)	150 ppm
Saskatchewan	OEL TWA (ppm)	100 ppm
Yukon	OEL STEL (mg/m <sup>3</sup> )	650 mg/m <sup>3</sup>
Yukon	OEL STEL (ppm)	150 ppm
Yukon	OEL TWA (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
Yukon	OEL TWA (ppm)	100 ppm
<b>ISOBUTANOL (78-83-1)</b>		
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	Remark (ACGIH)	Skin & eye irr
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Canada (Quebec)	VEMP (mg/m <sup>3</sup> )	152 mg/m <sup>3</sup>
Canada (Quebec)	VEMP (ppm)	50 ppm
Alberta	OEL TWA (mg/m <sup>3</sup> )	152 mg/m <sup>3</sup>
Alberta	OEL TWA (ppm)	50 ppm
British Columbia	OEL TWA (ppm)	50 ppm
Manitoba	OEL TWA (ppm)	50 ppm
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	152 mg/m <sup>3</sup>
New Brunswick	OEL TWA (ppm)	50 ppm
New Foundland & Labrador	OEL TWA (ppm)	50 ppm
Nova Scotia	OEL TWA (ppm)	50 ppm
Nunavut	OEL STEL (ppm)	60 ppm
Nunavut	OEL TWA (ppm)	50 ppm
Northwest Territories	OEL STEL (ppm)	60 ppm
Northwest Territories	OEL TWA (ppm)	50 ppm
Ontario	OEL TWA (ppm)	50 ppm
Prince Edward Island	OEL TWA (ppm)	50 ppm
Québec	VEMP (mg/m <sup>3</sup> )	152 mg/m <sup>3</sup>
Québec	VEMP (ppm)	50 ppm
Saskatchewan	OEL STEL (ppm)	60 ppm
Saskatchewan	OEL TWA (ppm)	50 ppm
Yukon	OEL STEL (mg/m <sup>3</sup> )	225 mg/m <sup>3</sup>
Yukon	OEL STEL (ppm)	75 ppm
Yukon	OEL TWA (mg/m <sup>3</sup> )	150 mg/m <sup>3</sup>
Yukon	OEL TWA (ppm)	50 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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### 8.3. Individual protection measures/Personal protective equipment

Personal protective equipment : Gas mask. Gloves. Protective clothing. Safety glasses.



Hand protection : Protective gloves.  
Eye protection : Safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : Wear respiratory protection.  
Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Clear liquid.  
Color : clear  
Odor : aromatic  
Odor threshold : No data available  
pH : No data available  
pH solution : No data available  
Relative evaporation rate (butyl acetate=1) : No data available  
Relative evaporation rate (ether=1) : No data available  
Melting point : Not applicable  
Freezing point : -40 °C  
Boiling point : 120 - 177 °C  
Flash point : 15 °C TAG CLOSED CUP  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : Not applicable  
Vapor pressure : 18.8 mm Hg  
Vapor pressure at 50 °C : No data available  
Relative vapor density at 20 °C : No data available  
Specific gravity : 0.98  
Relative density of saturated gas/air mixture : No data available  
Specific gravity / density : No data available  
Relative gas density : No data available  
Solubility : Negligible.  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosion limits : 0.6 vol %  
13.8 vol %

### 9.2. Other information

VOC content : 499 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity : Highly flammable liquid and vapor.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.  
Conditions to avoid : Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.  
Incompatible materials : acids. alkaline products. Halogens. Oxidizing agent. Reducing agents. water.  
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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### SECTION 11: Toxicological information

Likely routes of exposure : Dermal. Ingestion. Inhalation.

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

UV STABILIZER (25973-55-1)	
LD50 oral rat	> 7750 mg/kg
LD50 dermal rabbit	> 1100 mg/kg
LC50 inhalation rat (Vapors - mg/l/4h)	0.4 mg/l/4h

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)	
LD50 oral rat	5 g/kg

N-BUTYL ACETATE - BULK (123-86-4)	
LD50 oral rat	10768 mg/kg
LD50 dermal rabbit	> 17600 mg/kg
LC50 inhalation rat (ppm)	390 ppm/4h

ETHYLBENZENE (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 inhalation rat (mg/l)	17.4 mg/l/4h

PURE XYLENE (1330-20-7)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	> 4350 mg/kg
LC50 inhalation rat (mg/l)	29.08 mg/l/4h

ISOBUTANOL (78-83-1)	
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	3400 mg/kg
LC50 inhalation rat (mg/l)	> 6.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye damage.  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : Not classified  
Specific target organ toxicity (repeated exposure) : May cause damage to organs (kidneys, liver, lungs) through prolonged or repeated exposure (Dermal, Inhalation, oral).  
  
Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects. Toxic to aquatic life.

UV STABILIZER (25973-55-1)	
LC50 fish 1	> 100 mg/l Brachydanio rerio
EC50 Daphnia 1	> 0.083 mg/l
ErC50 (algae)	> 10 mg/l Desmodesmus subspicatus

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)	
LC50 fish 1	62 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	970 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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<b>N-BUTYL ACETATE - BULK (123-86-4)</b>	
LC50 fish 1	100 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	17 - 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

<b>ETHYLBENZENE (100-41-4)</b>	
LC50 fish 1	11.0 - 18.0 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
LC50 fish 2	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 Daphnia 1	1.8 - 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)

<b>PURE XYLENE (1330-20-7)</b>	
LC50 fish 1	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	2.661 - 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	3.82 mg/l (Exposure time: 48 h - Species: water flea)
EC50 Daphnia 2	0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)

<b>ISOBUTANOL (78-83-1)</b>	
LC50 fish 1	1370 - 1670 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	375 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	1070 - 1933 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### 12.2. Persistence and degradability

<b>ISOBUTANOL (78-83-1)</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)</b>	
Log Pow	1.35

<b>N-BUTYL ACETATE - BULK (123-86-4)</b>	
Log Pow	1.81 (at 23 °C)

<b>ETHYLBENZENE (100-41-4)</b>	
BCF fish 1	15
Log Pow	3.2

<b>PURE XYLENE (1330-20-7)</b>	
BCF fish 1	0.6 - 15
Log Pow	2.77 - 3.15

<b>ISOBUTANOL (78-83-1)</b>	
BCF fish 1	(no bioconcentration expected)
Log Pow	0.79 (at 25 °C)

### 12.4. Mobility in soil

<b>EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)</b>	
Log Pow	1.35

<b>N-BUTYL ACETATE - BULK (123-86-4)</b>	
Log Pow	1.81 (at 23 °C)

<b>ETHYLBENZENE (100-41-4)</b>	
Log Pow	3.2

<b>PURE XYLENE (1330-20-7)</b>	
Log Pow	2.77 - 3.15

<b>ISOBUTANOL (78-83-1)</b>	
Log Pow	0.79 (at 25 °C)

### 12.5. Other adverse effects

GWPmix comment : No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Waste disposal recommendations : Avoid release to the environment.  
Additional information : Flammable vapors may accumulate in the container.

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### SECTION 14: Transport information

#### 14.1. Basic shipping description

In accordance with TDG

#### TDG

Not regulated for transport

#### 14.2. Transport information/DOT

#### DOT

DOT NA no. : UN1263  
UN-No.(DOT) : 1263  
Packing group (DOT) : II - Medium Danger

Transport document description : UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, II

Proper Shipping Name (DOT) : Paint  
including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base

Contains Statement Field Selection (DOT) :

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Division (DOT) : 3  
Hazard labels (DOT) : 3 - Flammable liquid



Dangerous for the environment : No

DOT Special Provisions (49 CFR 172.102) : 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons)  
B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks  
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized  
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling  
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F)  
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP

DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 173  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded

Emergency Response Guide (ERG) Number : 128

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Other information : No supplementary information available.

### 14.3. Air and sea transport

IMDG

IATA

## SECTION 15: Regulatory information

### 15.1. National regulations

#### UV STABILIZER (25973-55-1)

Listed on the Canadian DSL (Domestic Substances List) inventory

#### EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)

Listed on the Canadian DSL (Domestic Substances List) inventory

#### N-BUTYL ACETATE - BULK (123-86-4)

Listed on the Canadian DSL (Domestic Substances List) inventory

#### ETHYLBENZENE (100-41-4)

Listed on the Canadian DSL (Domestic Substances List) inventory

#### PURE XYLENE (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List) inventory

#### ISOBUTANOL (78-83-1)

Listed on the Canadian DSL (Domestic Substances List) inventory

### 15.2. International regulations

#### UV STABILIZER (25973-55-1)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory  
Listed on the Korean ECL (Existing Chemical List) inventory  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

#### EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory  
Listed on Industrial Safety and Health Law Substances (ISHL)  
Listed on the Korean ECL (Existing Chemical List) inventory  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

#### N-BUTYL ACETATE - BULK (123-86-4)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory  
Listed on Industrial Safety and Health Law Substances (ISHL)  
Listed on the Korean ECL (Existing Chemical List) inventory  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
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### ETHYLBENZENE (100-41-4)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory  
Listed on the Korean ECL (Existing Chemical List) inventory  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

### PURE XYLENE (1330-20-7)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory  
Listed on the Korean ECL (Existing Chemical List) inventory  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Poisonous and Deleterious Substances Control Law  
Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

### ISOBUTANOL (78-83-1)

Listed on the AICS (the Australian Inventory of Chemical Substances)  
Listed on Inventory of Existing Chemical Substances (IECSC)  
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances  
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory  
Listed on the Korean ECL (Existing Chemical List) inventory  
Listed on New Zealand - Inventory of Chemicals (NZIoC)  
Listed on Inventory of Chemicals and Chemical Substances (PICCS)  
Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

## SECTION 16: Other information

Date of issue : 10/11/2016

Full text of H-phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life

SDS Canada (GHS)

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