

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
 Product name : CLOVASHIELD ACTIVATOR
 Product code : 83800B
 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 - 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
 Specific target organ H336
 toxicity (single exposure) Category 3
 Specific target organ H373
 toxicity (repeated exposure) Category 2

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
 H336 - May cause drowsiness or dizziness
 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
 P261 - Avoid breathing mist, spray, vapors
 P271 - Use only outdoors or in a well-ventilated area
 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
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
 P314 - Get medical advice/attention if you feel unwell
 P370+P378 - In case of fire: Use carbon dioxide (CO₂), foam, Dry chemical. to extinguish
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed
 P403+P235 - Store in a well-ventilated place. Keep cool

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P405 - Store locked up

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)
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	36.6	Flam. Liq. 2, H225 STOT SE 3, H336
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	8.1	Flam. Liq. 3, H226
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	2.9	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Aquatic Acute 1, H400
ETHYLBENZENE	Benzene, ethyl- / Phenylethane / Benzene, ethyl- / Phenylethane	(CAS No) 100-41-4	1.3	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapor), H332 STOT RE 2, H373 Asp. Tox. 1, H304

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.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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First-aid measures general : IF exposed or concerned: Get medical advice/attention.

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

Symptoms/injuries : May cause drowsiness or dizziness.
Symptoms/injuries after inhalation : May cause respiratory irritation. May cause headache and dizziness.
Symptoms/injuries after skin contact : May cause moderate irritation. Repeated or prolonged contact may cause sensitization of the skin (dermatitis, reddening,...).
Symptoms/injuries after eye contact : May cause severe irritation.
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

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. Soak up with absorbent material (for example sand, sawdust, neutral absorbent granule, silica gel). Ventilate area. Wear personal protective equipment.

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 : Wear personal protective equipment. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, vapors. Use only outdoors or in a well-ventilated area.
Hygiene measures : 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.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)		
Ontario	OEL TWA (mg/m ³)	300 mg/m ³
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 ³)	710 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	150 ppm
Canada (Quebec)	VECD (mg/m ³)	950 mg/m ³
Canada (Quebec)	VECD (ppm)	200 ppm
Canada (Quebec)	VEMP (mg/m ³)	713 mg/m ³
Canada (Quebec)	VEMP (ppm)	150 ppm
Alberta	OEL STEL (mg/m ³)	950 mg/m ³
Alberta	OEL STEL (ppm)	200 ppm
Alberta	OEL TWA (mg/m ³)	713 mg/m ³
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 ³)	950 mg/m ³
New Brunswick	OEL STEL (ppm)	200 ppm
New Brunswick	OEL TWA (mg/m ³)	713 mg/m ³
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 ³)	950 mg/m ³
Québec	VECD (ppm)	200 ppm
Québec	VEMP (mg/m ³)	713 mg/m ³
Québec	VEMP (ppm)	150 ppm
Saskatchewan	OEL STEL (ppm)	200 ppm
Saskatchewan	OEL TWA (ppm)	150 ppm
Yukon	OEL STEL (mg/m ³)	950 mg/m ³
Yukon	OEL STEL (ppm)	200 ppm
Yukon	OEL TWA (mg/m ³)	710 mg/m ³
Yukon	OEL TWA (ppm)	150 ppm
ETHYLBENZENE (100-41-4)		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³

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ETHYLBENZENE (100-41-4)		
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Canada (Quebec)	VECD (mg/m ³)	543 mg/m ³
Canada (Quebec)	VECD (ppm)	125 ppm
Canada (Quebec)	VEMP (mg/m ³)	434 mg/m ³
Canada (Quebec)	VEMP (ppm)	100 ppm
Alberta	OEL STEL (mg/m ³)	543 mg/m ³
Alberta	OEL STEL (ppm)	125 ppm
Alberta	OEL TWA (mg/m ³)	434 mg/m ³
Alberta	OEL TWA (ppm)	100 ppm
British Columbia	OEL TWA (ppm)	20 ppm
Manitoba	OEL TWA (ppm)	20 ppm
New Brunswick	OEL STEL (mg/m ³)	543 mg/m ³
New Brunswick	OEL STEL (ppm)	125 ppm
New Brunswick	OEL TWA (mg/m ³)	434 mg/m ³
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 ³)	543 mg/m ³
Québec	VECD (ppm)	125 ppm
Québec	VEMP (mg/m ³)	434 mg/m ³
Québec	VEMP (ppm)	100 ppm
Saskatchewan	OEL STEL (ppm)	125 ppm
Saskatchewan	OEL TWA (ppm)	100 ppm
Yukon	OEL STEL (mg/m ³)	545 mg/m ³
Yukon	OEL STEL (ppm)	125 ppm
Yukon	OEL TWA (mg/m ³)	435 mg/m ³
Yukon	OEL TWA (ppm)	100 ppm
PURE XYLENE (1330-20-7)		
USA - ACGIH	ACGIH TWA (ppm)	100 ppm
USA - ACGIH	ACGIH STEL (ppm)	150 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Canada (Quebec)	VECD (mg/m ³)	651 mg/m ³
Canada (Quebec)	VECD (ppm)	150 ppm
Canada (Quebec)	VEMP (mg/m ³)	434 mg/m ³
Canada (Quebec)	VEMP (ppm)	100 ppm
Alberta	OEL STEL (mg/m ³)	651 mg/m ³
Alberta	OEL STEL (ppm)	150 ppm
Alberta	OEL TWA (mg/m ³)	434 mg/m ³
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 ³)	651 mg/m ³
New Brunswick	OEL STEL (ppm)	150 ppm

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PURE XYLENE (1330-20-7)		
New Brunswick	OEL TWA (mg/m ³)	434 mg/m ³
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
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 ³)	651 mg/m ³
Québec	VECD (ppm)	150 ppm
Québec	VEMP (mg/m ³)	434 mg/m ³
Québec	VEMP (ppm)	100 ppm
Saskatchewan	OEL STEL (ppm)	150 ppm
Saskatchewan	OEL TWA (ppm)	100 ppm
Yukon	OEL STEL (mg/m ³)	650 mg/m ³
Yukon	OEL STEL (ppm)	150 ppm
Yukon	OEL TWA (mg/m ³)	435 mg/m ³
Yukon	OEL TWA (ppm)	100 ppm

8.2. Appropriate engineering controls

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

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

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	: sharp
Odor threshold	: No data available
pH	: 7
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	: 126 - 170 °C
Flash point	: 15 °C TAG CLOSED CUP

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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	: 1.002
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	: 1 vol % 12.1 vol %

9.2. Other information

VOC content	: 490 g/l
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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.

SECTION 11: Toxicological information

Likely routes of exposure	: Dermal. Ingestion. Inhalation.
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11.1. Information on toxicological effects

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

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

LD50 oral rat	5 g/kg
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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

Skin corrosion/irritation	: Not classified pH: 7
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Serious eye damage/irritation	: Not classified pH: 7
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
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 : Toxic to aquatic life.

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)
N-BUTYL ACETATE - BULK (123-86-4)	
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])
ETHYLBENZENE (100-41-4)	
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)
PURE XYLENE (1330-20-7)	
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)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)	
Log Pow	1.35
N-BUTYL ACETATE - BULK (123-86-4)	
Log Pow	1.81 (at 23 °C)
ETHYLBENZENE (100-41-4)	
BCF fish 1	15
Log Pow	3.2
PURE XYLENE (1330-20-7)	
BCF fish 1	0.6 - 15
Log Pow	2.77 - 3.15

12.4. Mobility in soil

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)	
Log Pow	1.35
N-BUTYL ACETATE - BULK (123-86-4)	
Log Pow	1.81 (at 23 °C)
ETHYLBENZENE (100-41-4)	
Log Pow	3.2
PURE XYLENE (1330-20-7)	
Log Pow	2.77 - 3.15

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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.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

TDG

UN-No. (TDG) : UN1866
Packing group : II - Medium Danger
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids
Transport document description : UN1866 RESIN SOLUTION (flammable), 3, II
Proper Shipping Name (TDG) : RESIN SOLUTION
flammable
Hazard labels (TDG) : 3 - Flammable liquids



Explosive Limit and Limited Quantity Index : 5 L
Excepted quantities (TDG) : E2
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 5 L

14.2. Transport information/DOT

DOT

DOT NA no. : UN1866
UN-No.(DOT) : 1866
Packing group (DOT) : II - Medium Danger
Transport document description : UN1866 Resin solution (flammable), 3, II
Proper Shipping Name (DOT) : Resin solution
flammable
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

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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)
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	: 127
Other information	: No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	: 1866
Proper Shipping Name (IMDG)	: RESIN SOLUTION
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: II - substances presenting medium danger

IATA

UN-No. (IATA)	: 1866
Proper Shipping Name (IATA)	: Resin solution
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: II - Medium Danger

SECTION 15: Regulatory information

15.1. National regulations

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

15.2. International regulations

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

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)
Listed on CICR (Turkish Inventory and Control of Chemicals)

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)

SECTION 16: Other information

SDS Major/Minor : None
Date of issue : 01/11/2016
Revision date : 13/12/2016
Supersedes : 01/11/2016

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
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life

CLOVASHIELD ACTIVATOR

Safety Data Sheet

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

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Cloverdale Paint Inc. to be accurate. No warranty concerning the accuracy of these sources is made and Cloverdale Paint Inc. will not be held liable for claims relating to use of this information or recommendations.