

### SECTION 1: Identification

#### 1.1. Product identifier

Product form : Mixture  
 Product name : ARMOURSHIELD BLACK BASE  
 Product code : 83950A  
 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  
 Germ cell mutagenicity H340  
 Category 1B  
 Carcinogenicity H350  
 Category 1B  
 Specific target organ toxicity (single exposure) Category 3  
 H336

Full text of H statements : see section 16

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

##### GHS-CA labeling

Hazard pictograms (GHS-CA)



GHS02

GHS07

GHS08

Signal word (GHS-CA)

: Danger

Hazard statements (GHS-CA)

: H225 - Highly flammable liquid and vapor  
 H336 - May cause drowsiness or dizziness  
 H340 - May cause genetic defects (Dermal, Inhalation, oral)  
 H350 - May cause cancer (Dermal, Inhalation, oral)

Precautionary statements (GHS-CA)

: P201 - Obtain special instructions before use  
 P202 - Do not handle until all safety precautions have been read and understood  
 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  
 P308+P313 - IF exposed or concerned: Get medical advice/attention

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P370+P378 - In case of fire: Use carbon dioxide (CO<sub>2</sub>), 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  
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	28.6	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	13.1	Flam. Liq. 3, H226
METHYL ACETATE - HIGH PURITY	Acetate, methyl / Acetic acid, methyl ester / Methyl ethanoate / METHYL ACETATE / Acetate, methyl / Acetic acid, methyl ester / Methyl ethanoate / METHYL ACETATE	(CAS No) 79-20-9	10.8	Flam. Liq. 2, H225 STOT SE 3, H336
CARBON BLACK	C.I. 77266 / C.I. Pigment Black 6 / C.I. Pigment Black 7 / Carbon blacks / Lampblack / CI 77266 / Vegetable carbon / BONJET BLACK CW / Microjet Black CW / Pigment Black 7 / Carbon Black / Coal soot / Coal soots / Channel black / C.I. 77266 / C.I. Pigment Black 6 / C.I. Pigment Black 7 / Carbon blacks / Lampblack / CI 77266 / Vegetable carbon / BONJET BLACK CW / Microjet Black CW / Pigment Black 7 / Carbon Black / Coal soot / Coal soots / Channel black	(CAS No) 1333-86-4	1.7	Not classified
EB ACETATE	Acetate, 2-butoxyethyl / Acetic acid, 2-butoxyethyl ester / 2-Butoxyethanol acetate / 2-Butoxyethyl acetate / Butyl glycol acetate / Ethanol, 2-butoxy-, acetate / Ethylene glycol butyl ether acetate / Butoxyethyl acetate, 2- / Ethanol, 2-butoxy-, 1-acetate / BUTOXYETHYL ACETATE / Butoxyethyl acetate / EGBEA / Butyl Cellosolve acetate / Butyl cellosolve acetate / Acetate, 2-butoxyethyl / Acetic acid, 2-butoxyethyl ester / 2-Butoxyethanol acetate / 2-Butoxyethyl acetate / Butyl glycol acetate / Ethanol, 2-butoxy-, acetate / Ethylene glycol butyl ether acetate / Butoxyethyl acetate, 2- / Ethanol, 2-butoxy-, 1-acetate / BUTOXYETHYL ACETATE / Butoxyethyl acetate / EGBEA / Butyl Cellosolve acetate / Butyl cellosolve acetate	(CAS No) 112-07-2	1.2	Flam. Liq. 4, H227 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapor), H332

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS-CA)
2,4-PENTANEDIONE	Acetoacetone / Acetone, acetyl- / Acetyl 2-propanone / Acetyl acetone / Acetylacetone / Diacetylmethane / Pentane-2,4-dione / Pentan-2,4-dione / 2,4-Pentandione / Pentadione, 2,4- / Acetoacetone / Acetone, acetyl- / Acetyl 2-propanone / Acetyl acetone / Acetylacetone / Diacetylmethane / Pentane-2,4-dione / Pentan-2,4-dione / 2,4-Pentandione / Pentadione, 2,4-	(CAS No) 123-54-6	1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	Naphtha (petroleum), hydrotreated heavy / Hydrotreated heavy naphtha / Naphtha, (petroleum), hydrotreated heavy / Aliphatic oil / Hydrotreated heavy naphtha (petroleum) / Naphtha (petroleum), hydrotreated heavy - low boiling point thermally cracked naphtha / Isopar 350 / White spirit type 3 / Naphtha, petroleum, hydrotreated heavy (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6-13 and boiling in the range of approximately 65-230°C.) / Synthetic isoparaffin, C6-13 / Naphtha (petroleum), hydrotreated heavy - low boiling point hydrogen treated naphtha / C10-12 ALKANE/CYCLOALKANE / Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha / Naphtha, petroleum, hydrotreated, heavy / Naphtha (petroleum), hydrotreated heavy / Hydrotreated heavy naphtha / Naphtha, (petroleum), hydrotreated heavy / Aliphatic oil / Hydrotreated heavy naphtha (petroleum) / Naphtha (petroleum), hydrotreated heavy - low boiling point thermally cracked naphtha / Isopar 350 / White spirit type 3 / Naphtha, petroleum, hydrotreated heavy (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6-13 and boiling in the range of approximately 65-230°C.) / Synthetic isoparaffin, C6-13 / Naphtha (petroleum), hydrotreated heavy - low boiling point hydrogen treated naphtha / C10-12 ALKANE/CYCLOALKANE / Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha / Naphtha, petroleum, hydrotreated, heavy	(CAS No) 64742-48-9	0.7	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
FLOURINATED URETHANE GLYCOL			0.1	Not classified
POLYMETHYLALKYLSILOXANE			0.1	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	: Wash skin with plenty of water.
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.
First-aid measures general	: IF exposed or concerned: Get medical advice/attention.

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### 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	: 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.
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## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media	: Dry chemical. Foam. Carbon dioxide.
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### 5.2. Unsuitable extinguishing media

No additional information available

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

Fire hazard	: 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).
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### 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. 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.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately.
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. Keep container closed when not in use. Provide local exhaust or general room ventilation. Use only non-sparking tools.
Storage conditions	: Store in a well-ventilated place. Keep cool. Store locked up.
Incompatible products	: Oxidizing agent. Strong bases. strong acids.
Incompatible materials	: chlorinated derivatives. Reducing agents.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

CARBON BLACK (1333-86-4)		
USA - ACGIH	ACGIH TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	3.5 mg/m³
Canada (Quebec)	VEMP (mg/m³)	3.5 mg/m³
Alberta	OEL TWA (mg/m³)	3.5 mg/m³
British Columbia	OEL TWA (mg/m³)	3 mg/m³ (inhalable)
Manitoba	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
New Brunswick	OEL TWA (mg/m³)	3.5 mg/m³
New Foundland & Labrador	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
Nova Scotia	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
Nunavut	OEL STEL (mg/m³)	7 mg/m³
Nunavut	OEL TWA (mg/m³)	3.5 mg/m³
Northwest Territories	OEL STEL (mg/m³)	7 mg/m³
Northwest Territories	OEL TWA (mg/m³)	3.5 mg/m³
Ontario	OEL TWA (mg/m³)	3 mg/m³ (inhalable)
Prince Edward Island	OEL TWA (mg/m³)	3 mg/m³ (inhalable particulate matter)
Québec	VEMP (mg/m³)	3.5 mg/m³
Saskatchewan	OEL STEL (mg/m³)	7 mg/m³
Saskatchewan	OEL TWA (mg/m³)	3.5 mg/m³
Yukon	OEL STEL (mg/m³)	7 mg/m³
Yukon	OEL TWA (mg/m³)	3.5 mg/m³
EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)		
Ontario	OEL TWA (mg/m³)	300 mg/m³
Ontario	OEL TWA (ppm)	50 ppm
2,4-PENTANEDIONE (123-54-6)		
USA - ACGIH	ACGIH TWA (ppm)	25 ppm
USA - ACGIH	Remark (ACGIH)	Neurotoxicity; CNS impair
Manitoba	OEL TWA (ppm)	25 ppm
New Foundland & Labrador	OEL TWA (ppm)	25 ppm
Nova Scotia	OEL TWA (ppm)	25 ppm
Ontario	OEL TWA (ppm)	25 ppm
Prince Edward Island	OEL TWA (ppm)	25 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/m³)	710 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	150 ppm
Canada (Quebec)	VECD (mg/m³)	950 mg/m³
Canada (Quebec)	VECD (ppm)	200 ppm
Canada (Quebec)	VEMP (mg/m³)	713 mg/m³
Canada (Quebec)	VEMP (ppm)	150 ppm
Alberta	OEL STEL (mg/m³)	950 mg/m³
Alberta	OEL STEL (ppm)	200 ppm
Alberta	OEL TWA (mg/m³)	713 mg/m³
Alberta	OEL TWA (ppm)	150 ppm
British Columbia	OEL TWA (ppm)	20 ppm
Manitoba	OEL STEL (ppm)	150 ppm

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N-BUTYL ACETATE - BULK (123-86-4)		
Manitoba	OEL TWA (ppm)	50 ppm
New Brunswick	OEL STEL (mg/m³)	950 mg/m³
New Brunswick	OEL STEL (ppm)	200 ppm
New Brunswick	OEL TWA (mg/m³)	713 mg/m³
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/m³)	950 mg/m³
Québec	VECD (ppm)	200 ppm
Québec	VEMP (mg/m³)	713 mg/m³
Québec	VEMP (ppm)	150 ppm
Saskatchewan	OEL STEL (ppm)	200 ppm
Saskatchewan	OEL TWA (ppm)	150 ppm
Yukon	OEL STEL (mg/m³)	950 mg/m³
Yukon	OEL STEL (ppm)	200 ppm
Yukon	OEL TWA (mg/m³)	710 mg/m³
Yukon	OEL TWA (ppm)	150 ppm
METHYL ACETATE - HIGH PURITY (79-20-9)		
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	250 ppm
USA - ACGIH	Remark (ACGIH)	eye & URT irr
USA - OSHA	OSHA PEL (TWA) (mg/m³)	610 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	200 ppm
Canada (Quebec)	VECD (mg/m³)	757 mg/m³
Canada (Quebec)	VECD (ppm)	250 ppm
Canada (Quebec)	VEMP (mg/m³)	606 mg/m³
Canada (Quebec)	VEMP (ppm)	200 ppm
Alberta	OEL STEL (mg/m³)	757 mg/m³
Alberta	OEL STEL (ppm)	250 ppm
Alberta	OEL TWA (mg/m³)	606 mg/m³
Alberta	OEL TWA (ppm)	200 ppm
British Columbia	OEL STEL (ppm)	250 ppm
British Columbia	OEL TWA (ppm)	200 ppm
Manitoba	OEL STEL (ppm)	250 ppm
Manitoba	OEL TWA (ppm)	200 ppm
New Brunswick	OEL STEL (mg/m³)	757 mg/m³
New Brunswick	OEL STEL (ppm)	250 ppm
New Brunswick	OEL TWA (mg/m³)	606 mg/m³
New Brunswick	OEL TWA (ppm)	200 ppm
New Foundland & Labrador	OEL STEL (ppm)	250 ppm

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METHYL ACETATE - HIGH PURITY (79-20-9)		
New Foundland & Labrador	OEL TWA (ppm)	200 ppm
Nova Scotia	OEL STEL (ppm)	250 ppm
Nova Scotia	OEL TWA (ppm)	200 ppm
Nunavut	OEL STEL (ppm)	250 ppm
Nunavut	OEL TWA (ppm)	200 ppm
Northwest Territories	OEL STEL (ppm)	250 ppm
Northwest Territories	OEL TWA (ppm)	200 ppm
Ontario	OEL STEL (ppm)	250 ppm
Ontario	OEL TWA (ppm)	200 ppm
Prince Edward Island	OEL STEL (ppm)	250 ppm
Prince Edward Island	OEL TWA (ppm)	200 ppm
Québec	VECD (mg/m³)	757 mg/m³
Québec	VECD (ppm)	250 ppm
Québec	VEMP (mg/m³)	606 mg/m³
Québec	VEMP (ppm)	200 ppm
Saskatchewan	OEL STEL (ppm)	250 ppm
Saskatchewan	OEL TWA (ppm)	200 ppm
Yukon	OEL STEL (mg/m³)	760 mg/m³
Yukon	OEL STEL (ppm)	250 ppm
Yukon	OEL TWA (mg/m³)	610 mg/m³
Yukon	OEL TWA (ppm)	200 ppm

EB ACETATE (112-07-2)		
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
Alberta	OEL TWA (mg/m³)	131 mg/m³
Alberta	OEL TWA (ppm)	20 ppm
British Columbia	OEL TWA (ppm)	20 ppm
Manitoba	OEL TWA (ppm)	20 ppm
New Foundland & Labrador	OEL TWA (ppm)	20 ppm
Nova Scotia	OEL TWA (ppm)	20 ppm
Nunavut	OEL STEL (ppm)	30 ppm
Nunavut	OEL TWA (ppm)	20 ppm
Northwest Territories	OEL STEL (ppm)	30 ppm
Northwest Territories	OEL TWA (ppm)	20 ppm
Ontario	OEL TWA (ppm)	20 ppm
Prince Edward Island	OEL TWA (ppm)	20 ppm
Saskatchewan	OEL STEL (ppm)	30 ppm
Saskatchewan	OEL TWA (ppm)	20 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. Wear respiratory protection.

Environmental exposure controls : Avoid release to the environment.



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### SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Liquid.
Color	: Black.
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	: 57 - 350 °C
Flash point	: -13 °C TAG CLOSED CUP
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor pressure	: 173 mm Hg
Vapor pressure at 50 °C	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity	: 0.99
Relative density of saturated gas/air mixture	: No data available
Specific gravity / density	: No data available
Relative gas density	: No data available
Solubility	: Water: 12 %
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	: 0.5 vol % 36 vol %

#### 9.2. Other information

VOC content	: 493 g/l
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: acids. alkaline products. chlorinated derivatives. Oxidizing agent. Reducing agents.
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

#### CARBON BLACK (1333-86-4)

LD50 oral rat	> 15400 mg/kg
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EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)	
LD50 oral rat	5 g/kg
2,4-PENTANEDIONE (123-54-6)	
LD50 oral rat	760 mg/kg
LD50 dermal rabbit	1370 mg/kg
LC50 inhalation rat (ppm)	1224 ppm/4h
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
METHYL ACETATE - HIGH PURITY (79-20-9)	
LD50 oral rat	> 5 g/kg
LD50 dermal rabbit	> 5 g/kg
LC50 inhalation rat (ppm)	16000 ppm/4h
EB ACETATE (112-07-2)	
LD50 oral rat	2400 mg/kg
LD50 dermal rabbit	1500 mg/kg
LC50 inhalation rat (ppm)	> 400 ppm/4h
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (64742-48-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Not classified pH: 7
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects (Dermal, Inhalation, oral).
Carcinogenicity	: May cause cancer (Dermal, Inhalation, oral).
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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)
2,4-PENTANEDIONE (123-54-6)	
LC50 fish 1	98.3 - 110 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	50.3 - 71.8 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
EC50 Daphnia 1	34.4 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])
METHYL ACETATE - HIGH PURITY (79-20-9)	
LC50 fish 1	295 - 348 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	250 - 350 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	1026.7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EB ACETATE (112-07-2)	
LC50 fish 1	20 - 40 mg/l RAINBOW TROUT

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EB ACETATE (112-07-2)	
EC50 Daphnia 1	37 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (algae)	1570 mg/l PSEUDOKIRCHNERIELLA SUBCAPITATA

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (64742-48-9)	
LC50 fish 1	2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)	
Log Pow	1.35

2,4-PENTANEDIONE (123-54-6)	
Log Pow	0.34

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

METHYL ACETATE - HIGH PURITY (79-20-9)	
Log Pow	0.18

EB ACETATE (112-07-2)	
BCF fish 1	(no significant bioaccumulation)
Log Pow	1.51

### 12.4. Mobility in soil

EEP (2-ETHOXYETHYL PROPIONATE) (763-69-9)	
Log Pow	1.35

2,4-PENTANEDIONE (123-54-6)	
Log Pow	0.34

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

METHYL ACETATE - HIGH PURITY (79-20-9)	
Log Pow	0.18

EB ACETATE (112-07-2)	
Log Pow	1.51

### 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.

## SECTION 14: Transport information

### 14.1. Basic shipping description

In accordance with TDG

TDG	
UN-No. (TDG)	: UN1263
Packing group	: II - Medium Danger
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Transport document description	: UN1263 PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass), 3, II
Proper Shipping Name (TDG)	: PAINT including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) with not more than 20 per cent nitrocellulose by mass if the nitrogen content of the nitrocellulose is not more than 12.6 per cent by mass

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Hazard labels (TDG) : 3 - Flammable liquids



TDG Special Provisions : 59 - Substances that are listed by name in Schedule 1 must not be transported under this shipping name. Substances transported under this shipping name may contain not more than 20 per cent nitrocellulose if the nitrocellulose contains not more than 12.6 per cent nitrogen (by dry mass)  
142 - The following shipping names may be used to meet the requirements of Part 3 (Documentation) and Part 4 (Dangerous Goods Safety Marks) when these dangerous goods are offered for transport in the same means of containment: (a)"PAINT RELATED MATERIAL" may be used for a means of containment containing both paint and paint related material; (b)"PAINT RELATED MATERIAL, CORROSIVE, FLAMMABLE" may be used for a means of containment containing both paint, corrosive, flammable, and paint related material, corrosive, flammable; (c)"PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE" may be used for a means of containment containing both paint, flammable, corrosive, and paint related material, flammable, corrosive; and (d)"PRINTING INK RELATED MATERIAL" may be used for a means of containment containing both printing ink and printing ink related material. SOR/2014-306

Explosive Limit and Limited Quantity Index : 5 L

Excepted quantities (TDG) : E2

Passenger Carrying Road Vehicle or Passenger : 5 L  
Carrying Railway Vehicle Index

### 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

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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) 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
Other information	: No supplementary information available.

### 14.3. Air and sea transport

#### IMDG

#### IATA

## SECTION 15: Regulatory information

### 15.1. National regulations

No additional information available

#### CARBON BLACK (1333-86-4)

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

#### 2,4-PENTANEDIONE (123-54-6)

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

#### METHYL ACETATE - HIGH PURITY (79-20-9)

Listed on the Canadian DSL (Domestic Substances List) inventory

#### EB ACETATE (112-07-2)

Listed on the Canadian DSL (Domestic Substances List) inventory

#### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (64742-48-9)

Listed on the Canadian DSL (Domestic Substances List) inventory

### 15.2. International regulations

No additional information available

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### POLYMETHYLALKYLSILOXANE

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### CARBON BLACK (1333-86-4)

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 European List of Notified Chemical Substances (ELINCS)  
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 CIRC (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 CIRC (Turkish Inventory and Control of Chemicals)

### 2,4-PENTANEDIONE (123-54-6)

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 CIRC (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 CIRC (Turkish Inventory and Control of Chemicals)

### METHYL ACETATE - HIGH PURITY (79-20-9)

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 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 CIRC (Turkish Inventory and Control of Chemicals)

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### EB ACETATE (112-07-2)

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  
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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 CIRC (Turkish Inventory and Control of Chemicals)

### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (64742-48-9)

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 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 CIRC (Turkish Inventory and Control of Chemicals)

## SECTION 16: Other information

Date of issue : 17/11/2016

Full text of H-phrases:

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer

SDS Canada (GHS)

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