

Product Number: 51-0027-01  
Product Name: Ink, MEK Flex Black

Date: 7/17/19  
Revision: B

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) 2015/830

## **Section 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1 Product Identifier**

Product Name: **Ink, MEK Flex Black**  
Product Code: **51-0027-01**

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Product Use: Printing ink for use in BestCode CIJ

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

BestCode  
3034 SE Loop 820  
Fort Worth, TX 76140  
817-349-8555

**For further information, please contact Customer Service:**

Customer Service: 817-349-8555  
Email: [Info@Bestcode.co](mailto:Info@Bestcode.co)

### **1.4 Emergency telephone number**

Emergency Contact: Local Poison Information Center  
Chem Tel. Inc. Toll Free 800-255-3924  
International 813-248-0585

## **Section 2: Hazards identification**

### **2.1 Classification of the mixture in accordance with Article 40 of Regulation (EC) No 1272/2008**

#### **GHS Rating:**

Flammable Liquids, Category 2  
Serious Eye Damage/Eye Irritation, Category 2  
Specific Target Organ Toxicity (single exposure), Category 3

### **2.2 Label elements**

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)



Signal word: Danger



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## Hazard statements:

H225 Highly flammable liquid and vapor  
H319 Causes serious eye irritation

## Precautionary statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P240 - Ground/bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
P243 - Take precautionary measures against static discharge.  
P242 - Use only non-sparking tools.  
P264 - Wash hands thoroughly after handling.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER/doctor/... if you feel unwell.  
P337+313 - If eye irritation persists, get medical advice/attention.  
P370+378 - In case of fire, use carbon dioxide, dry chemical powder or appropriate foam to extinguish.  
P403+235 - Store in cool/well-ventilated place.  
P403+233 - Store container tightly closed in well-ventilated place.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local regulations.

## 2.3 Other Hazards

### Adverse Human Health Effects and Symptoms:

Chronic: Chronic inhalation may cause effects similar to those of acute inhalation. Prolonged or repeated skin contact may cause defatting and dermatitis. Animal studies have reported that fetal effects/abnormalities may occur when maternal toxicity is seen. Chronic overexposure to vapors may cause lung damage. Animals exposed to 4300 ppm (mice) and 2000 ppm (guinea pig), 6 hours/day for 7 days developed minor blood changes & loss of appetite. There was no indication of liver or kidney injury. Rabbits exposed to 16000 mg/m<sup>3</sup> (4440 ppm), 1 hour/day for 40 days developed secondary anemia (decreased number of red blood cells), decreased hemoglobin levels, increased numbers of macrophages, congestion and fatty degeneration of various organs, and enlargement of the spleen. A reviewer suggested that the organ damage may have been due to impurities present in the ethyl.



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## Inhalation:

Causes respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness. May cause central nervous system effects such as nausea and headache. Neurobehavioural effects of exposure to MEK (200 ppm for 4 hrs) were studied with 137 volunteers. There were no statistically significant effects observed in biochemical, psychomotor, sensorimotor and psychological tests. May cause respiratory tract irritation. Inhalation of high concentrations may cause narcotic effects. May be harmful if inhaled.

## Skin Contact:

May be absorbed through the skin in harmful amounts. Repeated or prolonged exposure may cause drying and cracking of the skin. Only one human case of skin sensitization was located. Negative results were obtained in an animal test; MEK did not produce skin sensitization in the mouse ear thickness test. May cause skin irritation. The majority of human studies have demonstrated that ethyl acetate does not cause an allergic response on human skin. However, there is one case report of a woman developing a skin allergy to ethyl acetate.

## Eye Contact:

Causes eye irritation. Vapors may cause eye irritation. Animal evidence suggests that MEK is a moderate to severe eye irritant.

## Ingestion:

May cause irritation of the digestive tract. Possible aspiration hazard. May cause central nervous system depression. Animal evidence suggests that MEK can be aspirated (inhaled) into the lungs during ingestion or vomiting. Ingestion of large amounts may cause central nervous system depression. May cause headache, nausea, fatigue, and dizziness. These effects may be caused in part by ethanol which is released when ethyl acetate is broken down in the body.

## Section 3: Composition/information on ingredients

### 3.1 Substances:

### 3.2 Mixtures:

CAS #	EC #	Hazardous components / REACH Registration No.	Concentration	GHS Classification
78-93-3	201-159-0	Methyl Ethyl Ketone	60.0-90.0%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; EUH066
141-78-6	205-500-4 607-022-00-5	Acetic acid, ethyl ester	1.0 -5.0 %	Flam. Liq. 2: H225 Eye Damage 2: H319 STOT (SE) 3: H335 H336 EUH066
NA	NA	Proprietary Resin	15.0 -40.0 %	No data available.



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## Section 4: First Aid Measures

### 4.1 Description of first aid measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Eyes:	In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.
Skin:	In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion:	Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Get medical aid.
Note for the doctor:	Treat symptomatically and supportively.

### 4.2 Most Important symptoms and effects, both acute and delayed

None

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## Section 5: Fire Fighting Measures

### 5.1 Extinguishing media

In case of fire, use carbon dioxide, dry chemical powder or appropriate foam. Water may be ineffective because it will not cool material below its flash point. Water may be ineffective. Use water spray, alcohol foam, CO2, dry chemical.

### 5.2 Special hazards arising from the substance or mixture

Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. Vapors may form explosive mixtures with air.

### 5.3 Advice for firefighters

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Extremely flammable liquid and vapor. Vapor may cause flash fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor.

## **Section 6: Accidental release measures**

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

#### **6.1.1 For non-emergency personnel**

Remove persons to safety.

#### **6.1.2 For emergency responders**

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### **6.2 Environmental Precautions**

Avoid runoff into storm sewers and ditches which lead to waterways.

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

#### **6.3.1 For Containment:**

Provide ventilation.

#### **6.3.2 Clean up and disposal of spill:**

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool.

### **6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8.  
Incompatible materials: see section 10. Disposal considerations: see section 13.

## **Section 7: Handling and storage**

### **7.1 Precautions for safe handling**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Avoid breathing vapor. Avoid breathing dust, mist, or vapor.



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## 7.2 Conditions for safe storage, including any compatibilities

Store in a cool, dry, well-ventilated area away from incompatible substances.

## 7.3 Specific end use(s)

Fluid delivery to BestCode Series 8 CIJ. Follow safety instructions outlined in 7.1 & 7.2 while handling. Observe warnings provided with BestCode Series 8 CIJ system when installing and handling fluids

## Section 8: Exposure control/personal protection

### 8.1 Control parameters

CAS #	Hazardous components	ACGIH TLV	Australia	Austria
78-93-3	Methyl Ethyl Ketone	200 ppm/8 hour	TWA: 295 mg/m <sup>3</sup> (100 ppm) STEL: 590 mg/m <sup>3</sup> (200 ppm)	TWAs - 100 ppm
141-78-6	Acetic acid, ethyl ester	TLV: 400 ppm	TWA: 1050 mg/m <sup>3</sup> (300 ppm) STEL: 2100 mg/m <sup>3</sup> (600 ppm)	TWA: 720 mg/m <sup>3</sup> (200 ppm) STEL: 1440 mg/m <sup>3</sup> (400 ppm)

CAS #	Hazardous components	Belgium OEL	California, USA PELs	Ontario, CA
78-93-3	Methyl Ethyl Ketone	200 ppm TWA	PELs 200 ppm STELs 300 ppm	STELs 300 ppm PELs 200 ppm
141-78-6	Acetic acid, ethyl ester	TWA: 1461 mg/m <sup>3</sup> (400 ppm)	TWA: 1400 mg/m <sup>3</sup> (400 ppm)	TWA: 400 ppm

CAS #	Hazardous components	China	Québec, CA	German AGS
78-93-3	Methyl Ethyl Ketone	TWA: 300 mg/m <sup>3</sup> STEL: 600 mg/m <sup>3</sup> (15 min)	STELs 100 ppm PELs 50 ppm	TWA: 600 mg/m <sup>3</sup> (200 ppm) STEL: 600 mg/m <sup>3</sup> (200 ppm) (15 min)
141-78-6	Acetic acid, ethyl ester	TWA: 200 mg/m <sup>3</sup> STEL: 300 mg/m <sup>3</sup> (15 min)	TWA: 1440 mg/m <sup>3</sup> (400 ppm)	TWA: 1500 mg/m <sup>3</sup> (400 ppm) STEL: 3000 mg/m <sup>3</sup> (800 ppm) (15 min)

CAS #	Hazardous components	Germany MAK/TRK	Denmark OEL	Spain OEL
78-93-3	Methyl Ethyl Ketone	200 ppm TWA	50 ppm TWA	TWA: 600 mg/m <sup>3</sup> (200 ppm)



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				STEL: 900 mg/m <sup>3</sup> (300 ppm)
141-78-6	Acetic acid, ethyl ester	TWA: 1050 mg/m <sup>3</sup> (300 ppm) STEL: 2100 mg/m <sup>3</sup> (600 ppm) (5min) (8x)	TWA: 540 mg/m <sup>3</sup> (150 ppm) STEL: 1080 mg/m <sup>3</sup> (300 ppm)	TWA: 1460 mg/m <sup>3</sup> (400 ppm)

CAS #	Hazardous components	Europe	Finland OEL	France VL
78-93-3	Methyl Ethyl Ketone	TWA: 600 mg/m <sup>3</sup> (200 ppm) STEL: 900 mg/m <sup>3</sup> (300 ppm)	STELs 100 ppm	300 ppm STEL 200 ppm TWA
141-78-6	Acetic acid, ethyl ester		TWA: 1100 mg/m <sup>3</sup> (300 ppm) STEL: 1800 mg/m <sup>3</sup> (500 ppm) (15 min)	TWA: 1400 mg/m <sup>3</sup> (400 ppm)

CAS #	Hazardous components	Hungary OEL	Ireland OEL	Italy OEL
78-93-3	Methyl Ethyl Ketone	900 mg/m <sup>3</sup> STEL 600 mg/m <sup>3</sup> TWA	300 ppm STEL 200 ppm TWA	300 ppm STEL 200 ppm TWA
141-78-6	Acetic acid, ethyl ester	TWA: 1400 mg/m <sup>3</sup> STEL: 1400 mg/m <sup>3</sup>	TWA: 200 ppm STEL: 400 ppm (15 min)	

CAS #	Hazardous components	South Korea	Latvia OEL	Mexico OEL
78-93-3	Methyl Ethyl Ketone	STELs 300 ppm TWAs 200 ppm	300 ppm STEL 67 ppm TWA	300 ppm STEL 200 ppm TWA
141-78-6	Acetic acid, ethyl ester	TWA: 1400 mg/m <sup>3</sup> (400 ppm)	TWA: 200 mg/m <sup>3</sup>	TWA: 1400 mg/m <sup>3</sup> (400 ppm) STEL: ( )

CAS #	Hazardous components	Malaysia OEL	NIOSH	Netherlands OEL
78-93-3	Methyl Ethyl Ketone	TWA: 590 mg/m <sup>3</sup> (200 ppm)	STELs 300 ppm TWAs 200 ppm	TWA: 590 mg/m <sup>3</sup> STEL: 900 mg/m <sup>3</sup>
141-78-6	Acetic acid, ethyl ester	TWA: 1440 mg/m <sup>3</sup> (400 ppm)	TWA: 1400 mg/m <sup>3</sup> (400 ppm)	

CAS #	Hazardous components	New Zealand	OSHA PELs	Poland
78-93-3	Methyl Ethyl Ketone	STELs 300 ppm	200 ppm/8 hour	STELs 900 mg/m <sup>3</sup>



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		TWAs 150 ppm		TWAs 450 mg/m3
141-78-6	Acetic acid, ethyl ester	TWA: 720 mg/m3 (200 ppm)	PEL: 400 ppm	TWA: 200 mg/m3 STEL: 600 mg/m3

CAS #	Hazardous components	Sweden OEL	Singapore	Britain EH40
78-93-3	Methyl Ethyl Ketone	TWA: 150 mg/m3 (50 ppm) STEL: 300 mg/m3 (100 ppm) (15 min)	PELs 200 ppm STELs 300 ppm	TWA: 600 mg/m3 (200 ppm) STEL: 899 mg/m3 (300 ppm)
141-78-6	Acetic acid, ethyl ester	TWA: 500 mg/m3 (150 ppm) STEL: 1100 mg/m3 (300 ppm) (15 min)	TWA: 1440 mg/m3 (400 ppm)	TWA: (200 ppm) STEL: (400 ppm)
CAS #	Hazardous components	Switzerland OEL	Japan OEL	
78-93-3	Methyl Ethyl Ketone			
141-78-6	Acetic acid, ethyl ester	TWA: 1400 mg/m3 (400 ppm) STEL: 2800 mg/m3 (800 ppm)	TWA: 400 ppm	

## 8.2 Exposure controls:

### 8.2.1 Appropriate engineering controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Ventilation fans and other electrical service must be non-sparking and have an explosion-proof design. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

### 8.2.2 Individual protection measures, such as personal protective equipment

**Eye/Face protection:** Wear chemical splash goggles.

**Skin protection:** Wear appropriate protective gloves to prevent skin exposure.

**Respiratory protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Hygienic Practices:** DO NOT SMOKE IN WORK AREA! Promptly remove contaminated clothing. Wash immediately if skin becomes contaminated. Do not eat or drink in work area while using this product. Wash thoroughly at the end of the workday, before eating and using the restroom.



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## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Black Liquid		
<b>Odor:</b>	Solvent odor.	<b>Odor threshold:</b>	-
<b>pH:</b>	-	<b>Melting point:</b>	-87.00 C - -83.00 C
<b>Boiling range:</b>	77.00 C	<b>Flash point:</b>	-7.00 C
<b>Evaporation rate:</b>	4.6 (BuAC=1)	<b>Upper Explosive Limit:</b>	-
		<b>Lower Explosive Limit:</b>	-
<b>Flammability:</b>	Highly flammable liquid and vapor	<b>Vapor Pressure:</b>	85 MM_HG at 20.0 C
<b>Vapor density:</b>	> Air	<b>Relative Density:</b>	0.876
<b>Solubility(ies):</b>	Miscible	<b>Partition coefficient n-octanol/water:</b>	-
<b>Auto-ignition temperature:</b>	> 404.00 C	<b>Decomposition temperature:</b>	-
<b>Viscosity:</b>	-		
<b>Explosive properties:</b>	-		
<b>Oxidizing properties:</b>	-		
<b>Percent Volatile:</b>	> 74.0 % by volume.		

### 9.2 Other information:

<b>Miscibility:</b>	-	<b>VOC:</b>	-
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## Section 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

Will not occur

### 10.4 Conditions to avoid:

Ignition sources, Excess heat, Moisture, attacks some plastics, rubber, and coatings.



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## 10.5 Incompatible materials:

Strong oxidizing agents, Strong acids, 2-propanol, Strong bases.

## 10.6 Hazardous decomposition products

Carbon monoxide, Carbon dioxide, ethyl alcohol.

## Section 11: Toxicological information

### 11.1 Information on Toxicological effects

**Carcinogenicity /** CAS# 78-93-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
**Other Information** CAS# 141-78-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

#### 11.1.1 Hazard Class information:

#### 11.1.2 Mixture toxicity:

Acute toxicity, LD50, Intraperitoneal, Mouse, 616.0 MG/KG.

Result:

Lungs, Thorax, or Respiration: Sputum.

Biochemical: Metabolism (Intermediary): Other proteins.

Biochemical: Metabolism (intermediary): Effect on inflammation or mediation of inflammation.

- Shell Chemical Company. Unpublished Report., Vol/p/yr: -,6, 1961

Acute toxicity, LD50, Skin, Species: Rabbit, 6480. MG/KG.

Result:

Lungs, Thorax, or Respiration: Other changes.

Biochemical: Metabolism (intermediary): Effect on inflammation or mediation of inflammation.

- Shell Chemical Company., Vol/p/yr: MSDS-5390-,

Acute toxicity, LC50, Inhalation, Mouse, 32.00 MG/M3.

Result:

Brain and Coverings: Other degenerative changes.

Biochemical: Metabolism (intermediary): Effect on inflammation or mediation of inflammation.

Acute toxicity, LD50, Intraperitoneal, Species: Guinea pig, 2.000 GM/KG.

Result:

Immunological Including Allergic: Increase in humoral immune response.

#### 11.1.3 Critical studies:



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**11.1.4 Non-compliance hazard class:**

**11.1.5 Information on likely routes of exposure:**

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

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

**11.1.8 Interactive effects:**

**11.1.9 Absence of specific data:**

**11.1.10 Mixtures:**

**11.1.11 Mixture vs Substance information:**

**11.1.12 Other information:**

## **Section 12: Ecological information**

### **12.1 Toxicity:**

Environmental: Substance evaporates in water with  $T_{1/2} = 3D$  (rivers) to  $12D$  (lakes). Substance is not expected to bioconcentrate in marine life.

Physical: Substance photodegrades in air with  $T_{1/2} = 2.3$  days. Oxidizes rapidly by photo-chemical reactions in air. Readily biodegradable meeting the 10 day window criterion. Not expected to bioaccumulate significantly.

Terrestrial: Expected to have high mobility in soil. Volatilization of ethyl acetate from moist soil surfaces is expected to be important. Aquatic: Not expected to adsorb into suspended solids or sediments.

Atmospheric: Expected to exist solely as a vapor in the ambient atmosphere. Vapor-phase ethyl acetate is degraded in the atmosphere by reaction with photochemically-produced hydroxyl radicals; the half-life for this reaction in air is estimated to be 10 days.

Physical: Substance biodegrades at a high rate with little bioconcentration.

**12.2 Persistence and degradability:** Not determined



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- 12.3 **Bioaccumulative potential:** Not determined
- 12.4 **Mobility in soil:** Not determined
- 12.5 **Results of PBT and vPvB assessment:** Not determined
- 12.6 **Other adverse effects:** Not determined

## Section 13: Disposal considerations

### 13.1 Waste treatment methods:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: None listed.  
RCRA U-Series:  
CAS# 78-93-3: waste number U159 (Ignitable waste, Toxic waste).  
CAS# 141-78-6: waste number U112 (Ignitable waste).

## Section 14: Transport information

14.1	<b>UN number:</b>	1210
14.2	<b>Proper shipping name:</b>	
	<b>US DOT:</b>	Printing Ink
	<b>Canadian TDG:</b>	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
	<b>European ADR/RID:</b>	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
	<b>IMDG/IMO:</b>	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
	<b>ICAO/IATA:</b>	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
14.3	<b>Transport hazard class(es) :</b>	3 - FLAMMABLE LIQUID

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14.4	<b>Packing group:</b>	II
14.5	<b>Environmental hazards:</b>	non-environmentally hazardous acc. to the dangerous goods regulations
14.6	<b>Special precautions for user:</b>	N/A
14.7	<b>Transport in bulk according to Annex II of Marpol and the IBC Code:</b>	
	The cargo is not intended to be carried in bulk.	

## Section 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists				
CAS #	Hazardous components	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
78-93-3	Methyl Ethyl Ketone	No	Yes 5000lb	No
141-78-6	Acetic acid, ethyl ester	No	Yes 5000lb	No
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	Canadian NPRI	Canadian Toxic	Canadian DSL
78-93-3	Methyl Ethyl Ketone	Yes	No	Yes
141-78-6	Acetic acid, ethyl ester	Yes	No	Yes
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	CAA HAP, ODC	CWA NPDES	TSCA
78-93-3	Methyl Ethyl Ketone	No	No	Yes-Inv
141-78-6	Acetic acid, ethyl ester	No	No	Yes-Inv
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	CA Prop 65	Mexico INSQ	Australia ICS
78-93-3	Methyl Ethyl Ketone	No	Yes – 1193	Yes
141-78-6	Acetic acid, ethyl ester	No	Yes - 1173	Yes
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	New Zealand IOC	China IECSC	Japan ENCS
78-93-3	Methyl Ethyl Ketone	Yes	Yes	Yes 2-542
141-78-6	Acetic acid, ethyl ester	Yes	Yes	Yes 2-726
NA	Proprietary Resin	No	No	No

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CAS #	Hazardous components	Japan ISHL	Korea ECL	Philippines
78-93-3	Methyl Ethyl Ketone	No	Yes KE-24094	Yes
141-78-6	Acetic acid, ethyl ester	No	Yes KE-00047	Yes
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	Taiwan TCSCA	Singapore HSL	Israel HSL:
78-93-3	Methyl Ethyl Ketone	Yes	No	No
141-78-6	Acetic acid, ethyl ester	Yes	No	Yes-Cat
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	Germany WHCS	Switzerland Giftliste 1	Switzerland INNS
78-93-3	Methyl Ethyl Ketone	Yes – 150	Yes G-2429	No
141-78-6	Acetic acid, ethyl ester	Yes - 95	Yes G-1157	No
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	REACH	Kyoto GHG	Rotterdam
78-93-3	Methyl Ethyl Ketone	Yes (R), (P)	No	No
141-78-6	Acetic acid, ethyl ester	Yes (R), (P)	No	No
NA	Proprietary Resin	No	No	No

CAS #	Hazardous components	Stockholm		
78-93-3	Methyl Ethyl Ketone	No		
141-78-6	Acetic acid, ethyl ester	No		
NA	Proprietary Resin	No		

**Canadian WHMIS Classification:**



CLASS B, DIVISION 2: Flammable Liquids  
 CLASS D, DIVISION 2, SUBDIVISION B: Toxic Materials (Mutagenicity, skin sensitization, irritation, etc.)



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## 15.2 Chemical safety assessment

### Section 16: Other information

**Revision Date:** 7/17/19  
**Revision Notes:** B: Updated to new GHS format  
**Additional Information:**

#### **Company Disclaimer:**

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