

Safety Data Sheet

Product Number: 51-0007-01
Product Name: Ink, Flex Plus Black

Date: 10/17/19
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, Flex Plus Black
Product Code: 51-0007-01

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

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



Signal word: Danger

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Hazard statements:

H225 - Highly flammable liquid and vapor.
H319 - Causes serious eye irritation.
H335 - May cause respiratory 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.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
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. Prolonged or repeated skin contact may cause dermatitis. Adverse reproductive effects have been reported in animals. Testicular effects in rats were noted after repeated, high-dose oral and inhalation exposures. (BASF) Human occupational exposure has been associated with chronic eye irritation, headaches, and irritant contact dermatitis. Airborne concentrations of 49 to 83 ppm are intolerable.

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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 headache. Material has a very low vapor pressure at room temperature, so inhalation exposures are not expected unless material is heated or misted. 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. Causes skin irritation. May be harmful if absorbed through the skin. Not expected to cause an allergic skin reaction. Because of the high permeability rate of N-methylpyrrolidone in human skin, prolonged exposures should be avoided. Causes skin irritation.

Eye Contact:

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

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. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

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	201-159-0 606-002-00-3	Methyl Ethyl Ketone	60.0 – 90.0%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; EUH066
97-64-3	202-598-0 607-129-00-7	Propanoic acid, 2-Hydroxy-, ethyl ester	1.0 -5.0 %	Flam. Liq. 3: H226 Eye Damage 1: H318 STOT (SE) 3: H335
		Non Hazardous	15.0 -30.0 %	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. If breathed in, move person into fresh air. If not breathing give artificial respiration.

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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. Wash off with soap and plenty of water. Consult a physician.

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. Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

4.2 Most Important symptoms and effects, both acute and delayed

Inhalation No Data Available
Eye contact No Data Available
Skin contact No Data Available
Ingestion No Data Available

4.3 Indication of any immediate medical attention and special treatment needed

Notes to doctor: Treat symptomatically and supportively. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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. Use water spray, dry chemical, carbon dioxide, or appropriate foam. For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2 Special hazards arising from the substance or mixture

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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. 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Combustible liquid and vapor. Wear self-contained breathing apparatus for firefighting if necessary.

Further information.
Use water spray to cool unopened containers.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.1.1 For non-emergency personnel

Use proper personal protective equipment as indicated in Section 8.

6.1.2 For emergency responders

Use proper personal protective equipment as indicated in Section 8.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

6.3.1 For Containment:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

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. Provide ventilation.



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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. Use with adequate ventilation. Keep away from heat and flame. Avoid breathing dust, mist, or vapor. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any compatibilities

Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area. Store in a cool, dry place. Store in a tightly closed container. Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

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	TLV: 200 ppm STEL: 300 ppm	TWA: 295 mg/m3 (100 ppm) STEL: 590 mg/m3 (200 ppm)	TWA: 445 mg/m3 (150 ppm) STEL: 890 mg/m3 (300 ppm)
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			

CAS #	Hazardous components	Belgium OEL	California, USA	Ontario, CA
78-93-3	Methyl Ethyl Ketone	TWA: 600 mg/m3 (200 ppm) STEL: 900 mg/m3 (300 ppm)	TWA: 590 mg/m3 (200 ppm) STEL: 885 mg/m3 (300 ppm)	TWA: 200 ppm STEL: 300 ppm
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			

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CAS #	Hazardous components	China	Québec, CA	German AGS
78-93-3	Methyl Ethyl Ketone	TWA: 300 mg/m ³ STEL: 600 mg/m ³ (15 min)	TWA: 150 mg/m ³ (50 ppm) STEL: 300 mg/m ³ (100 ppm)	TWA: 600 mg/m ³ (200 ppm) STEL: 600 mg/m ³ (200 ppm) (15 min)
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			

CAS #	Hazardous components	Germany MAK/TRK	Denmark OEL	Spain OEL
78-93-3	Methyl Ethyl Ketone	TWA: 295 mg/m ³ (100 ppm) STEL: 600 mg/m ³ (200 ppm) (30min) (4x)	TWA: 145 mg/m ³ (50 ppm) STEL: 290 mg/m ³ (100 ppm)	TWA: 600 mg/m ³ (200 ppm) STEL: 900 mg/m ³ (300 ppm)
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester		TWA: 10 (Provisional) CEIL: 25 mg/m ³ (5 ppm)	

CAS #	Hazardous components	Europe	Finland OEL	France VL
78-93-3	Methyl Ethyl Ketone	TWA: 600 mg/m ³ (200 ppm) STEL: 900 mg/m ³ (300 ppm)	STEL: 300 mg/m ³ (100 ppm) (15 min)	TWA: 600 mg/m ³ (200 ppm) STEL: 900 mg/m ³ (300 ppm)
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester		TWA: 25 mg/m ³ (5 ppm) STEL: 49 mg/m ³ (10 ppm) (15 min)	

CAS #	Hazardous components	Hungary OEL	Ireland OEL	Italy OEL
78-93-3	Methyl Ethyl Ketone	TWA: 600 mg/m ³ STEL: 900 mg/m ³	TWA: 600 mg/m ³ (200 ppm) STEL: 900 mg/m ³ (300 ppm) (15 min)	TWA: 600 mg/m ³ (200 ppm) STEL: 900 mg/m ³ (300 ppm)
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			



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CAS #	Hazardous components	South Korea	Latvia OEL	Mexico OEL
78-93-3	Methyl Ethyl Ketone	TWA: 590 mg/m ³ (200 ppm) STEL: 885 mg/m ³ (300 ppm)	TWA: 200 mg/m ³ (67 ppm) STEL: 900 mg/m ³ (300 ppm) (15 min)	TWA: 590 mg/m ³ (200 ppm) STEL: 885 mg/m ³ (300 ppm)
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			

CAS #	Hazardous components	Malaysia OEL	NIOSH	Netherlands OEL
78-93-3	Methyl Ethyl Ketone	TWA: 590 mg/m ³ (200 ppm)	TWA: 200 ppm STEL: 300 ppm	TWA: 590 mg/m ³ STEL: 900 mg/m ³
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			

CAS #	Hazardous components	New Zealand	OSHA PELs	Poland
78-93-3	Methyl Ethyl Ketone	TWA: 445 mg/m ³ (150 ppm) STEL: 890 mg/m ³ (300 ppm)	PEL: 200 ppm	TWA: 450 mg/m ³ STEL: 900 mg/m ³
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			

CAS #	Hazardous components	Sweden OEL	Singapore	Britain EH40
78-93-3	Methyl Ethyl Ketone	TWA: 150 mg/m ³ (50 ppm) STEL: 300 mg/m ³ (100 ppm) (15 min)	TWA: 590 mg/m ³ (200 ppm) STEL: 885 mg/m ³ (300 ppm)	TWA: 600 mg/m ³ (200 ppm) STEL: 899 mg/m ³ (300 ppm)
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	TWA: 25 mg/m ³ (5 ppm) STEL: 50 mg/m ³ (10 ppm) (15 min)		

CAS #	Hazardous components	Switzerland OEL	Japan OEL	
78-93-3	Methyl Ethyl Ketone			
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester			



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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 ventilation to keep airborne concentrations low.

8.2.2 Individual protection measures, such as personal protective equipment

Eye/Face protection: Wear chemical splash goggles. Face shield and safety glasses.

Skin protection: Wear appropriate protective gloves to prevent skin exposure. Wear appropriate gloves to prevent skin exposure. Handle with gloves. Wear appropriate protective clothing to prevent skin exposure. Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

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. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Dark Liquid		
Odor:	Solvent	Odor threshold:	No data available
pH:	No data available	Melting point:	-87.00 C -15.00 C
Boiling range:	80.00 C – 202.00 C	Flash point:	-7°C
Evaporation rate:	4.6 (BuAC=1)	Upper Explosive Limit:	-
		Lower Explosive Limit:	-
Flammability:	No data available	Vapor Pressure:	85 MM_HG at 20.0 C
Vapor density:	> Air	Relative Density:	0.878 (H2O = 1 @ 20 °C)

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Solubility(ies):	Miscible	Partition coefficient n-octanol/water:	No data available
Auto-ignition temperature:	>346.00 C	Decomposition temperature:	No data available
Viscosity:	No data available		
Oxidizing properties:	No data available		
Percent Volatile:	69.0 % by volume.		

9.2 Other information:

Miscibility:	No data available	VOC:	No data available
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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

Vapors may form explosive mixture with air.

10.4 Conditions to avoid:

ignition sources, Excess heat, Light, Heat, flames and sparks.

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Nitrogen oxides, formed under fire conditions. Carbon oxides.

Section 11: Toxicological information

11.1 Information on Toxicological effects

Acute toxicity: CAS# 78-93-3:
Acute toxicity, LD50, Intraperitoneal, Mouse, 616.0 MG/KG.
Result:
Lungs, Thorax, or Respiration: Sputum.

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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.

Skin	No data available
corrosion/irritation:	No data available
Serious eye	No data available
damage/irritation:	No data available
Respiratory or skin	No data available
sensitization:	
Germ cell	Mutagenic effects have occurred in experimental animals.
mutagenicity:	
Carcinogenicity:	CAS# 78-93-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 97-64-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Reproductive	No data available
toxicity:	
STOT-single	No data available
exposure:	
STOT-repeated	No data available
exposure:	
Aspiration hazard	No data available

11.1.1 Hazard Class information:

No data available

11.1.2 Mixture toxicity:

No data available

11.1.3 Critical studies:

No data available

11.1.4 Non-compliance hazard class:

No data available

11.1.5 Information on likely routes of exposure:

No data available

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

No data available

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

No data available

11.1.8 Interactive effects:

No data available

11.1.9 Absence of specific data:

No data available

11.1.10 Mixtures:

No data available

11.1.11 Mixture vs Substance information:

No data available

11.1.12 Other information:

No data available

Section 12: Ecological information

12.1 Toxicity:

Environmental: Substance evaporates in water with T1/2= 3D (rivers) to 12D (lakes). Substance is not expected to bioconcentrate in marine life. Physical: Substance photodegrades in air with T1/2 = 2.3 days. Oxidizes rapidly by photo-chemical reactions in air. Readily biodegradable meeting the 10 day window criterion. Not expected to bioaccumulate significantly

12.2 Persistence and degradability:

No data available



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12.3 Bioaccumulative potential:

No data available

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

No data available

12.6 Other adverse effects:

No data available

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).

RCRA U-Series: None listed.

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging.

Dispose of as unused product.

Section 14: Transport information

14.1	UN number:	1210
14.2	Proper shipping name:	
	US DOT:	Printing Ink
	Canadian TDG:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]

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European ADR/RID:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
IMDG/IMO:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
ICAO/IATA:	Printing ink, [flammable or] Printing ink related material [(including printing ink thinning or reducing compound), flammable]
14.3 Transport hazard class(es) :	3 - FLAMMABLE LIQUID
14.4 Packing group:	II
14.5 Environmental hazards:	N/A
14.6 Special precautions for user:	N/A
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	N/A

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
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	No	No	No
	Non Hazardous	No	No	No

CAS #	Hazardous components	Canadian NPRI	Canadian Toxic	Canadian DSL
78-93-3	Methyl Ethyl Ketone	Yes	No	Yes
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	No	No	Yes
	Non Hazardous	No	No	No

CAS #	Hazardous components	CAA HAP, ODC	CWA NPDES	TSCA
78-93-3	Methyl Ethyl Ketone	No	No	Yes - Inv
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	No	No	Yes - Inv
	Non Hazardous	No	No	No

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CAS #	Hazardous components	CA Prop 65	Mexico INSQ	Australia ICS
78-93-3	Methyl Ethyl Ketone	No	Yes - 1193	Listed
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	No	Yes - 1192	Listed
	Non Hazardous	No	No	No

CAS #	Hazardous components	New Zealand IOC	China IECSC	Japan ENCS
78-93-3	Methyl Ethyl Ketone	Listed	Listed	Yes - 2-542
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	Listed	Listed	Yes - 2-1371
	Non Hazardous	No	No	No

CAS #	Hazardous components	Japan ISHL	Korea ECL	Philippines
78-93-3	Methyl Ethyl Ketone	No	Yes KE-24094	Listed
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	No	Yes KE-20855	Listed
	Non Hazardous	No	No	No

CAS #	Hazardous components	Taiwan TCSCA	Singapore HSL	Israel HSL:
78-93-3	Methyl Ethyl Ketone	Listed	No	No
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	Listed	No	No
	Non Hazardous	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
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	Yes - 5040	Yes G-1189	No
	Non Hazardous	No	No	No

CAS #	Hazardous components	REACH	Kyoto GHG	Rotterdam
78-93-3	Methyl Ethyl Ketone	Yes - (R), (P)	No	No
97-64-3	Propanoic acid, 2-Hydroxy-, ethyl ester	Yes - (P)	No	No
	Non Hazardous	No	No	No

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CAS #	Hazardous components	Stockholm		
78-93-3	Methyl Ethyl Ketone	No		
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	Non Hazardous	No		

Canadian WHMIS Classification:



CLASS B, DIVISION 2: Flammable Liquids

CLASS D, DIVISION 2, SUBDIVISION A: Very Toxic Materials (carcinogens, reproductive toxicity, etc.)

15.2 Chemical safety assessment

Section 16: Other information

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Revision Notes: Format updated to (EU) 2015/830.

Additional Information:

Company Disclaimer:

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