

Issue Date 20-Sep-2017 (DD-MM-YYYY)

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier****Product name** ECOSOLJET BLACK**H- Product code** 012214**E- Product code** S6082247-M44C02AH-M44C02AH**Pure substance/mixture** mixture**1.2. Relevant identified uses of the substance or mixture and uses advised against****Recommended Use** Ink jet ink (solvent-based)**Uses advised against** No information available**1.3. Details of the supplier of the safety data sheet****Company Name**SAKATA INX CORP.  
4-1-12, Kitagawara, Itami,  
Hyogo 664-8507 Japan  
+81-72-785-7703**Importer / Supplier**ColorJet India Limited  
B-195, Phase – II  
Noida, U.P.  
+91 120-4548195For further information, please contact**Contact Point** HSE Group  
81-72-785-7703**Email address** -**1.4. Emergency telephone number****Emergency telephone** -**Section 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (repeated exposure)	Category 1 - (H372)

**2.2. Label elements****Symbols/Pictograms****signal word**

DANGER

**Hazard Statements**

H319 - Causes serious eye irritation

H372 - Causes damage to organs through prolonged or repeated exposure

Contains Methyl methacrylate, Butyl methacrylate EUH208 - May produce an allergic reaction

**precautionary statements**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other hazards****Other Hazards** Combustible liquid**General Hazards** No information available**Section 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances****Ingredients contributing to the classification of the mixture, etc.**

Chemical name	EC No	CAS No	weight-%	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP] / Other	REACH registration number
Diethylene glycol diethyl ether	203-963-7	112-36-7	50-60	-	Eye Irrit. 2A (H319)	-
Propylene carbonate	203-572-1	108-32-7	10-20	Xi; R36	Eye Irrit. 2 (H319)	-
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	-	88917-22-0	5-10	-	STOT SE 3 (H336)	-
Carbon black	215-609-9	1333-86-4	1-5	-	STOT RE 1 (H372)	-

Methyl methacrylate	201-297-1	80-62-6	< 1	F; R11 Xi; R37/38 R43 Xi; R36/37/38	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Repr. 2 (H361) STOT RE 1 (H372) Aquatic Acute 3 (H402)	-
Butyl methacrylate	202-615-1	97-88-1	< 1	R10 Xi; R36/37/38 R43 Xi; R36/37/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 3 (H226) Aquatic Acute 2 (H401)	-

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	Do not breathe dust/fume/gas/mist/vapors/spray Do not get in eyes, on skin, or on clothing
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing If breathing is irregular or stopped, administer artificial respiration Seek immediate medical attention/advice
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes Get medical attention if irritation develops and persists
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes If eye irritation persists: Get medical advice/attention
<b>INGESTION</b>	Do NOT induce vomiting Potential for aspiration if swallowed Clean mouth with water Get medical attention

### 4.2. Most important symptoms and effects, both acute and delayed

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

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	CO2, dry chemical, dry sand, alcohol-resistant foam, mist of alkali salts water Move containers from fire area if you can do it without risk Use extinguishing measures that are appropriate to local circumstances and the surrounding environment Remove combustible materials from their surroundings immediately
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<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire
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## **5.2. Special hazards arising from the substance or mixture**

### **5.3. Advice for firefighters**

<b>Special protective equipment for fire-fighters</b>	Use personal protective equipment as required In the event of fire and/or explosion do not breathe fumes Special protective equipment for fire-fighters
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<b>Special Extinguishing Media</b>	Cool container with water spray
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<b>Flammable properties</b>	May re-ignite after fire is extinguished flammable Containers may explode when heated Will form explosive mixtures with air Vapors from liquefied gas are initially heavier than air and spread along ground
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## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

<b>Personal precautions</b>	Stay upwind Evacuate personnel to safe areas ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Use personal protective equipment as required Avoid contact with skin, eyes and inhalation of vapors In the case of vapor formation use a respirator with filter model In case of fire: Stop leak if safe to do so Do not touch damaged containers or spilled material unless wearing appropriate protective clothing Ensure adequate ventilation, especially in confined areas Wash thoroughly after handling Take precautionary measures against static discharges
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<b>other information</b>	Ventilate the area
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### **6.2. Environmental precautions**

<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information Dispose of contents/container to an approved waste disposal plant Do not flush into surface water or sanitary sewer system Avoid release to the environment Collect spillage
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so
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<b>Methods for cleaning up</b>	Soak up with inert absorbent material Dam up Use only non-sparking tools
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### **6.4. Reference to other sections**

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

Take precautionary measures against static discharges  
 Use personal protection recommended in Section 8  
 Use only in well-ventilated areas  
 Avoid contact with skin, eyes or clothing  
 Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash contaminated clothing before reuse  
 Wash hands thoroughly and gargle after handling  
 Burn or dispose of the wiping cloths used to clean up the product at once

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

#### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place  
 Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity)  
 Use spark-proof tools and explosion-proof equipment  
 Incompatible with oxidizing agents  
 Store locked up  
 The product shall be stored in the original containers/vessels

### 7.3. Specific end use(s)

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical name	European Union	United Kingdom	France	Spain	Germany
Carbon black	-	STEL: 7 mg/m <sup>3</sup> TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>	-
Methyl methacrylate	TWA: 50 ppm STEL: 100 ppm	STEL: 100 ppm STEL: 416 mg/m <sup>3</sup> TWA: 50 ppm TWA: 208 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 100 ppm STEL: 410 mg/m <sup>3</sup>	STEL: 100 ppm TWA: 50 ppm	TWA: 50 ppm TWA: 210 mg/m <sup>3</sup> Ceiling / Peak: 100 ppm Ceiling / Peak: 420 mg/m <sup>3</sup>

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Carbon black	-	TWA: 3.5 mg/m <sup>3</sup>	-	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>
Methyl methacrylate	TWA: 50 ppm STEL: 100 ppm	STEL: 100 ppm TWA: 50 ppm	STEL: 410 mg/m <sup>3</sup> TWA: 205 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 42 mg/m <sup>3</sup> STEL: 50 ppm STEL: 210 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 102 mg/m <sup>3</sup> Skin
Butyl methacrylate	-	-	-	-	TWA: 25 ppm TWA: 145 mg/m <sup>3</sup>

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Sweden	Czech Republic	Luxembourg
Carbon black	-	-	TWA: 4.0 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup> STEL: 7 mg/m <sup>3</sup>	3 mg/m <sup>3</sup> LLV (total dust)	TWA: 2.0 mg/m <sup>3</sup>	-

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Methyl methacrylate	STEL: 100 ppm STEL: 420 mg/m <sup>3</sup> TWA: 50 ppm TWA: 210 mg/m <sup>3</sup>	STEL: 100 ppm STEL: 420 mg/m <sup>3</sup> TWA: 50 ppm TWA: 210 mg/m <sup>3</sup>	STEL: 300 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 100 mg/m <sup>3</sup> Skin STEL: 100 ppm STEL: 400 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 100 ppm	50 ppm LLV; 200 mg/m <sup>3</sup> LLV Skin notation 150 ppm STV; 600 mg/m <sup>3</sup> STV	Ceiling: 150 mg/m <sup>3</sup> TWA: 50 mg/m <sup>3</sup> Skin	50 ppm TWA 100 ppm STEL
Butyl methacrylate	-	-	STEL: 300 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 59 mg/m <sup>3</sup> STEL: 20 ppm STEL: 88.5 mg/m <sup>3</sup>	-	50 ppm LLV; 300 mg/m <sup>3</sup> LLV 75 ppm STV; 450 mg/m <sup>3</sup> STV	-	-

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

## 8.2. Exposure controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas  
Showers  
Eyewash stations  
Ventilation systems

## Personal protective equipment

**Eye/face Protection** Wear safety glasses with side shields (or goggles)

**Hand Protection** Wear protective gloves

**Skin and Body Protection** Wear suitable protective clothing  
Antistatic footwear

**Respiratory protection** Wear suitable respiratory equipment  
Respirator cartridge should be exchanged at regular intervals or at proper time according to breakthrough time

# Section 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	liquid	<b>ODR</b>	slight odor
<b>appearance</b>	No information available	<b>odor threshold</b>	No information available
<b>color</b>	colored		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	not applicable	
<b>Melting point/freezing point</b>	no data available	
<b>Boiling point/boiling range</b>	no data available	No information available
<b>Flash Point</b>	≥70°C	Ceta Closed Cup
<b>Evaporation Rate</b>	no data available	No information available
<b>Combustibility</b>	Combustible	
<b>Flammability Limits in Air</b>		

Upper flammability limits	no data available	
Lower Flammability Limit	no data available	
vapor pressure	no data available	No information available
Vapor Density	no data available	No information available
Specific gravity	0.9-1.1	
solubility(ies)		
Water solubility	Soluble in water	
Organic Solvent Solubility	soluble in organic solvents	
Partition coefficient	no data available	No information available
Autoignition Temperature	no data available	No information available
decomposition temperature	no data available	No information available
Kinematic viscosity	no data available	
Explosive properties	No information available	
Oxidizing properties	No information available	

**9.2. Other information**

Softening point	no data available
Density	no data available

Chemical name	Boiling point °C	Density	vapor pressure	Vapor Density	Flash Point	Autoignition Temperature
Diethylene glycol diethyl ether	188 °C	-	0.5 mmHg at 25 °C	-	82 °C open cup	-
Propylene carbonate	241.9 °C	1.204 g/cm <sup>3</sup> at 20 °C	0.03 mmHg at 20 °C	3.52	135 °C open cup	510 °C
Carbon black	-	1.86 g/cm <sup>3</sup>	-	-	-	-
Methyl methacrylate	100.5 °C	0.936 g/cm <sup>3</sup> at 20 °C	36 - 47 hPa at 20 °C	3.6	10 °C open cup	421 - 430 °C
Butyl methacrylate	163 °C	0.89 g/cm <sup>3</sup> at 20 °C	4.9 hPa at 20 °C	4.8	52 °C open cup	294.44 °C

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

Remarks	no data available
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**10.2. Chemical stability**

stability	Stable under normal conditions Heating may cause an explosion
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**Explosion data**

**Sensitivity to Mechanical Impact** May be ignited by heat, sparks or flames

**Sensitivity to Static Discharge** May be ignited by heat, sparks or flames

**10.3. Possibility of hazardous reactions****10.4. Conditions to avoid**

Conditions to Avoid	Take precautionary measures against static discharges Extremes of temperature and direct sunlight
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**10.5. Incompatible materials**

Incompatible Materials	Reference to other sections; 7
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**10.6. Hazardous decomposition products**

Hazardous Decomposition Products May emit toxic fumes under fire conditions

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

Inhalation	Reference to other sections; 4
Eye contact	Reference to other sections; 4
Skin contact	Reference to other sections; 4
INGESTION	Reference to other sections; 4

**Unknown acute toxicity** 84.7% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	29,486.00
ATEmix (dermal)	24,483.00

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP] / Other	Japan GHS Classification / Other
Diethylene glycol diethyl ether	-	-	-	-	Eye Irrit. 2A (H319)	Eye Irrit. 2A Flam. Liq. 4
Propylene carbonate	29000 mg/kg ( Rat )	> 20 mL/kg ( Rabbit )	-	Xi; R36	Eye Irrit. 2 (H319)	Eye Irrit. 2A
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	-	-	-	-	STOT SE 3 (H336)	STOT SE 3 Flam. Liq. 4
Carbon black	-	-	-	-	STOT RE 1 (H372)	STOT RE 1 Self-heat. 1 Self-heat. 2
Methyl methacrylate	7900 mg/kg ( Rat )	-	4632 ppm ( Rat ) 4 h	F; R11 Xi; R37/38 R43 Xi; R36/37/38	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Repr. 2 (H361) STOT RE 1 (H372) Aquatic Acute 3 (H402)	Repr. 2 Skin Irrit. 2 Eye Irrit. 2A-2B Aquatic Acute 3 STOT RE 1 STOT SE 3 Skin Sens. 1 Resp. Sens. 1 Acute Tox. Inh. (Vap) 5 Flam. Liq. 2
Butyl methacrylate	-	10181 mg/kg ( Rabbit )	4910 ppm ( Rat ) 4 h	R10 Xi; R36/37/38 R43 Xi; R36/37/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 3 (H226) Aquatic Acute 2 (H401)	Skin Irrit. 2 Aquatic Acute 2 STOT SE 3 Skin Sens. 1 Flam. Liq. 3



**GHS/CLP Classification Note:**

Acute Tox. Der. :Acute toxicity - Dermal, Acute Tox. Inh. (D/M) :Acute toxicity - Inhalation - Dusts and Mists, Acute Tox. Inh. (Gas) :Acute toxicity - Inhalation - Gases, Acute Tox. Inh. (Vap) :Acute toxicity - Inhalation - Vapours, Acute Tox. Oral :Acute toxicity - Oral, Aquatic Acute :Acute Hazardous to the aquatic environment, Aquatic Chronic :Chronic Hazardous to the aquatic environment, Asp. Tox. :Aspiration hazard, Carc. :Carcinogenicity, Expl. :Explosives, Eye Dam. :Serious eye damage, Eye Irrit. :Eye irritation, Flam. Gas :Flammable gases (including chemically unstable gases), Flam. Liq. :Flammable liquids, Flam. Solid :Flammable solids, Lact. :Effects on or via lactation, Met. Corr. :Corrosive to metals, Muta. :Germ cell mutagenicity, Org. Perox. :Organic peroxides, Ox. Gas :Oxidizing gases, Ox. Liq. :Oxidizing liquids, Ox. Sol. :Oxidizing solids, Press. Gas :Gases under pressure, Pyr. Liq. :Pyrophoric liquids, Pyr. Sol. :Pyrophoric solids, Repr. :Reproductive toxicity, Resp. Sens. :Respiratory sensitization, Self-heat. :Self-heating substances and mixtures, Self-react. :Self-reactive substances and mixtures, Skin Corr. :Skin corrosion, Skin Irrit. :Skin irritation, Skin Sens. :Skin sensitization, STOT RE :Specific target organ toxicity – Repeated exposure, STOT SE :Specific target organ toxicity – Single exposure, Water-react. :Substances and mixtures which, in contact with water emit flammable gases

<b>skin corrosion/irritation</b>	No information available
<b>Serious eye damage/eye irritation</b>	No information available
<b>Sensitization</b>	No information available
<b>Germ cell mutagenicity</b>	No information available
<b>Carcinogenicity</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Aspiration hazard</b>	No information available

## Section 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**12.2. Persistence and degradability**

**Persistence and degradability** No information available

**12.3. Bioaccumulative potential**

**Bioaccumulation** No information available

Chemical name	Partition coefficient
Propylene carbonate	0.48
Methyl methacrylate	0.7
Butyl methacrylate	2.26

**12.4. Mobility in soil**

**Mobility in soil** No information available

**12.5. Results of PBT and vPvB assessment**

PBT and vPvB assessment	No information available
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**12.6. Other adverse effects**

Other adverse effects	No information available
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<b>Section 13: DISPOSAL CONSIDERATIONS</b>
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**13.1. Waste treatment methods**

<b>Waste from Residues/Unused Products</b>	Should not be released into the environment Disposal should be in accordance with applicable regional, national and local laws and regulations
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal
<b>other information</b>	Store in a tightly sealed drum to prevent the spillage of the content

<b>Section 14: TRANSPORT INFORMATION</b>
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Containers/vessels must be leakage-free. Loading must be done to prevent containers from falling, dropping down and being damaged  
Take necessary steps to prevent collapse

<b>UN Number</b>	not applicable
<b>Packing Group</b>	not applicable
<b>ERG Code</b>	133
<b>Proper Shipping Name</b>	not applicable

**IMDG**

<b>14.1 UN Number</b>	not applicable
<b>14.2 Proper Shipping Name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	not applicable
<b>14.5 Marine pollutant</b>	not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No information available

**RID**

<b>14.1 UN Number</b>	not applicable
<b>14.2 Proper Shipping Name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	not applicable
<b>14.5 Environmental hazard</b>	not applicable
<b>14.6 Special Provisions</b>	None

**ADR**

<b>14.1 UN Number</b>	not applicable
<b>14.2 Proper Shipping Name</b>	Not regulated
<b>14.3 Hazard Class</b>	Not regulated
<b>14.4 Packing Group</b>	not applicable
<b>14.5 Environmental hazard</b>	not applicable
<b>14.6 Special Provisions</b>	None

**ICAO (air)**

<b>14.1 UN Number</b>	not applicable
<b>14.2 Proper Shipping Name</b>	Not regulated

14.3	Hazard Class	Not regulated
14.4	Packing Group	not applicable
14.5	Environmental hazard	not applicable
14.6	Special Provisions	None

**IATA**

14.1	UN Number	not applicable
14.2	Proper Shipping Name	Not regulated
14.3	Hazard Class	Not regulated
14.4	Packing Group	not applicable
14.5	Environmental hazard	not applicable
14.6	Special Provisions	None

## Section 15: REGULATORY INFORMATION

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

Chemical name	CAS No	French RG number	Seveso III Directive
Diethylene glycol diethyl ether	112-36-7	RG 84	No information available
Propylene carbonate	108-32-7	-	No information available
Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate	88917-22-0	RG 84	No information available
Carbon black	1333-86-4	RG 16, RG 16bis	No information available
Methyl methacrylate	80-62-6	RG 65, RG 82	No information available
Butyl methacrylate	97-88-1	RG 65	No information available

### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use: This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

## Section 16: OTHER INFORMATION

### Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable  
R36 - Irritating to eyes  
R43 - May cause sensitization by skin contact  
R36/37/38 - Irritating to eyes, respiratory system and skin  
R37/38 - Irritating to respiratory system and skin

**Full text of H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapor

H226 - Flammable liquid and vapor

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H361 - Suspected of damaging fertility or the unborn child

H372 - Causes damage to organs through prolonged or repeated exposure if inhaled

H401 - Toxic to aquatic life

H402 - Harmful to aquatic life

**Key literature references and sources for data**

LOLI Database (ChemADVISOR, Inc.)

**Issue Date**

20-Sep-2017 (DD-MM-YYYY)

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text**

**End of Safety Data Sheet**