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# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

### Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
212532	BD BBL™ Gram Safranin	No data available

### Recommended restrictions

**Recommended use:** Scientific and industrial laboratory use. For In Vitro Diagnostic Use.  
**Restrictions on use:** None known.

### Manufacturer/Importer/Distributor Information

#### Manufacturer

Company Name: BD, Integrated Diagnostic Solutions  
Address: 7 Loveton Circle  
Sparks, MD 21152  
USA

Telephone: 1 844 823 5433  
Fax: not available  
Contact Person: Tech Services

**Emergency telephone number:** CHEMTREC 1 800 424 9300

## 2. Hazard(s) identification

### Hazard Classification

#### Physical Hazards

Flammable liquids Category 3

### Label Elements

#### Hazard Symbol:



**Signal Word:** Warning



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**Hazard Statement:** H226: Flammable liquid and vapor.

**Precautionary Statements**

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240: Ground and bond container and receiving equipment.  
P241: Use explosion-proof electrical equipment.  
P242: Use non-sparking tools.  
P243: Take action to prevent static discharges.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P370+P378: In case of fire: Use water spray, fog, CO2, dry chemical, or alcohol resistant foam.

**Storage:** P403+P235: Store in a well-ventilated place. Keep cool.  
P233: Keep container tightly closed.  
P405: Store locked up.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:**

FK: Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment.  
Spark: Sparks may ignite liquid and vapor.  
H241: May cause flash fire or explosion.

**3. Composition/information on ingredients**



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## Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Ethanol	No data available.	64-17-5	19%
Methanol	No data available.	67-56-1	1%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

### Description of necessary first-aid measures

<b>General information:</b>	Get medical attention if symptoms occur.
<b>Inhalation:</b>	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position.
<b>Skin Contact:</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
<b>Eye contact:</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
<b>Ingestion:</b>	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
<b>Personal Protection for First-aid Responders:</b>	No data available.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.

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

<b>Treatment:</b>	No data available.
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## 5. Fire-fighting measures

<b>General Fire Hazards:</b>	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water spray to keep fire-exposed containers cool.
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### Suitable (and unsuitable) extinguishing media



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<b>Suitable extinguishing media:</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media:</b>	Not applicable
<b>Special hazards arising from the substance or mixture:</b>	Fire or excessive heat may produce hazardous decomposition products.
<b>Special protective equipment and precautions for firefighters</b>	
<b>Special fire fighting procedures:</b>	No unusual fire or explosion hazards noted.
<b>Special protective equipment for fire-fighters:</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Contact local authorities in case of spillage to drain/aquatic environment. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.
<b>Accidental release measures:</b>	No data available.
<b>Methods and material for containment and cleaning up:</b>	Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.
<b>Environmental Precautions:</b>	Avoid release to the environment.

## 7. Handling and storage

### Handling

<b>Technical measures (e.g. Local and general ventilation):</b>	No special requirements under ordinary conditions of use and with adequate ventilation.
<b>Safe handling advice:</b>	When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Store in a cool, dry place. Keep container tightly closed.
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**Safe packaging materials:** No data available.

**8. Exposure controls/personal protection**

**Control Parameters  
Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values		Source
Ethanol	AN ESL	1,000 ppb		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	ST ESL	10,000 ppb		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	AN ESL	1,880 µg/m3		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	ST ESL	18,800 µg/m3		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	STEL	1,000 ppm		US. ACGIH Threshold Limit Values, as amended
	REL	1,000 ppm	1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	IDLH	3,300 ppm		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended
	LEL	3.3 %		US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended
	PEL	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	TWA	1,000 ppm	1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	1,000 ppm	1,900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
	TWA PEL	1,000 ppm	1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
Methanol	STEL	250 ppm	325 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	200 ppm	260 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	250 ppm	325 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
	TWA	200 ppm	260 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended
	ST ESL	2,620 µg/m3		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	AN ESL	200 ppb		US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	AN ESL	262 µg/m3		US. Texas. Effects Screening Levels (Texas



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			Commission on Environmental Quality), as amended
	ST ESL	2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended
	STEL	250 ppm 325 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
	TWA PEL	200 ppm 260 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
	Ceiling	1,000 ppm	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended
	STEL	250 ppm	US. ACGIH Threshold Limit Values, as amended
	TWA	200 ppm	US. ACGIH Threshold Limit Values, as amended
	REL	200 ppm 260 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	STEL	250 ppm 325 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	200 ppm 260 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
	IDLH	6,000 ppm	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

**Biological Limit Values**

Chemical name	Parameters / Sampling Time	Exposure Limit Values	Source
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**Appropriate Engineering Controls**

No special requirements under ordinary conditions of use and with adequate ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:**

Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:**

Material: Chemical resistant gloves  
Additional Information: Wash hands after contact. Material: Suitable gloves can be recommended by the glove supplier.

**Skin and Body Protection:**

Wear a lab coat or similar protective clothing.



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**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**Hygiene measures:** Observe good industrial hygiene practices.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification.
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	174 °F/79 °C
<b>Flammability:</b>	No data available.

#### Upper/lower limit on flammability or explosive limits

<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	99 °F/37 °C
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	No data available.

#### Viscosity

<b>Dynamic viscosity:</b>	Not determined.
<b>Kinematic viscosity:</b>	Not determined.
<b>Flow Time:</b>	No data available.

#### Solubility(ies)

<b>Solubility in Water:</b>	Completely Soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Bulk density:</b>	No data available.



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**Vapor density (air=1):** No data available.

**Particle characteristics**

**Particle Size:** No data available.

**Particle Size Distribution:** No data available.

**Specific surface area:** No data available.

**Surface charge/Zeta potential:** No data available.

**Shape:** No data available.

**Crystallinity:** No data available.

**Surface treatment:** No data available.

**Other information**

**Metal Corrosion:** Non-corrosive per US Department of Transportation testing protocol.

**10. Stability and reactivity**

**Reactivity:** Material is stable under normal conditions.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** Stable

**Conditions to avoid:** Avoid exposure to high temperatures or direct sunlight.

**Incompatible Materials:** Metals. Water reactive material.

**Hazardous Decomposition Products:** Stable; however, may decompose if heated.

**11. Toxicological information**

**Information on toxicological effects**

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.





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## Information on likely routes of exposure

### Acute toxicity (list all possible routes of exposure)

#### Oral

**Product:** ATEmix: 10,000 mg/kg  
**Components:**  
Ethanol LD 50 (Rat): 10,470 mg/kg  
Experimental result, Key study  
Methanol LD 50 (Pig): 5,000 mg/kg

#### Dermal

**Product:** ATEmix: 30,000 mg/kg  
**Components:**  
Ethanol LD 50 (Rabbit): 17,100 mg/kg  
LD 50 (Rabbit): 17,100 mg/kg  
Read-across from supporting substance (structural analogue or surrogate), Supporting study  
Methanol LD 50 (Rabbit): 17,100 mg/kg

#### Inhalation

**Product:** ATEmix: 300 mg/l Vapour  
**Components:**  
Ethanol LC 50 (Rat, 4 h): 117 - 125 mg/l 2 = reliable with restrictions; LC 50 (Rat, 4 h): > 115.9 mg/l Vapor; 2 = reliable with restrictions; Vapor, Read-across from supporting substance (structural analogue or surrogate), Weight of Evidence study LC 50: 0.039 g/m<sup>3</sup> LC 50: 20000 ppm  
Methanol LOAEL (Rat, 6 h): 0.27 - 13.3 mg/l Inhalation; 2 = reliable with restrictions; Experimental result, Supporting study, Inhalation

#### Repeated dose toxicity

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
NOAEL (Mouse(female), Oral, 90 d): > 9,400 mg/kg Oral Experimental result, Supporting study  
NOAEL (Mouse(Male), Oral, 90 d): < 9,700 mg/kg Oral Experimental result, Supporting study  
NOAEL (Rat(female), Oral, 90 d): < 4,400 mg/kg Oral Experimental result, Supporting study  
NOAEL (Monkey(Female, Male), Oral, <= 48 Months): < 6,200 mg/kg Oral Experimental result, Supporting study  
Methanol NOAEL (Mouse(Female, Male), Inhalation, 7,202 - 7,373 h): 0.13 mg/l Experimental result, Weight of Evidence study Inhalation  
NOAEL (Rat(Male), Inhalation, 1 - 6 Weeks): 2.65 mg/l Experimental result, Supporting study Inhalation  
NOAEL (Rat(Male), Inhalation): 1.06 mg/l Experimental result, Supporting study Inhalation



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NOAEL (Rat(Female, Male), Inhalation, 7,318 - 7,496 h): 0.13 mg/l  
Experimental result, Weight of Evidence study Inhalation  
LOAEL (Rat(Female, Male), Inhalation, 7,318 - 7,496 h): 1.3 mg/l  
Experimental result, Weight of Evidence study Inhalation

#### **Skin Corrosion/Irritation**

**Product:** No data available.  
**Components:**  
Ethanol in vivo (Rabbit): Not irritant  
in vivo (Human): Not irritant  
Methanol No data available.

#### **Serious Eye Damage/Eye Irritation**

**Product:** No data available.  
**Components:**  
Ethanol Not irritating in vivo Rabbit, 24 - 72 hrs: EU  
Methanol Not irritating in vivo Rabbit, 24 - 72 hrs:

#### **Respiratory or Skin Sensitization**

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
Skin sensitization:, in vivo (Guinea pig): Non sensitising  
Methanol Skin sensitization:, in vivo (Guinea pig): Non sensitising

#### **Carcinogenicity**

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
Methanol No data available.

#### **IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

#### **ACGIH: US.ACGIH Threshold Limit Values:**

Ethanol

#### **US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

#### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

#### **Germ Cell Mutagenicity**

##### **In vitro**

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
Methanol No data available.



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**In vivo**

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
Methanol No data available.

**Reproductive toxicity**

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
Methanol No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
Methanol Oral: Nervous System - Causes damage to organs.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.  
**Components:**  
Ethanol Based on available data, the classification criteria are not met.  
Methanol No data available.

**Aspiration Hazard**

**Product:** No data available.  
**Components:**  
Ethanol No data available.  
Methanol No data available.

**Information on health hazards**

**Other hazards**

**Product:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.  
**Components:**  
Ethanol LC 50 (Fathead Minnow, 96 h): 14,200 mg/l  
LC 50 (Fathead Minnow, 96 h): 15,300 mg/l  
LC 50 (Oncorhynchus mykiss, 24 h): 11,200 mg/l Experimental result, Supporting study  
Methanol LC 50 (Pimephales promelas, 96 h): 29,400 mg/l  
EC 50 (Pimephales promelas, 96 h): 28,900 mg/l Experimental result, Supporting study



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LC 50 (Pimephales promelas, 48 h): 28,400 mg/l Experimental result, Supporting study  
LC 50 (Pimephales promelas, 96 h): 28,100 mg/l Experimental result, Supporting study  
LC 50 (Trachinotus carolinus, 24 h): 10,112 mg/l Experimental result, Supporting study

**Aquatic Invertebrates**

**Product:**

No data available.

**Components:**

Ethanol

LC 50 (Water flea (Ceriodaphnia dubia), 48 h): 5,012 mg/l  
LC 50 (Grass shrimp, freshwater prawn (Palaemonetes kadiakensis), 18 h): 10,100 mg/l  
LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l Experimental result, Key study

Methanol

LC 50 (Grass shrimp, freshwater prawn (Palaemonetes kadiakensis), 96 h): > 250 mg/l Mortality  
EC 50 (Daphnia magna, 96 h): 18,260 mg/l Experimental result, Key study

**Toxicity to Aquatic Plants**

**Product:**

No data available.

**Components:**

Ethanol

EC 50 (Green algae (Chlorella vulgaris), 72 h): 275 mg/l

Methanol

No data available.

**Toxicity to microorganisms**

**Product:**

No data available.

**Components:**

Ethanol

LC 50 (Turbellarian, flatworm (Dugesia tigrina), 96 h): > 100 mg/l Mortality

Methanol

LC 50 (Turbellarian, flatworm (Dugesia tigrina), 96 h): > 100 mg/l Mortality

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:**

No data available.

**Components:**

Ethanol

NOAEL (Oryzias latipes, 200 h): 7,900 mg/l (Static) Read-across from supporting substance (structural analogue or surrogate), Supporting study

Methanol

NOAEL (Oryzias latipes, 200 h): 11,850 mg/l (Static) Experimental result, Supporting study  
EC 50 (Oryzias latipes, 200 h): 9,164 mg/l (Static) Experimental result, Supporting study  
LOAEL (Oryzias latipes, 200 h): 7,900 mg/l (Static) Experimental result, Supporting study

**Aquatic Invertebrates**

**Product:**

No data available.



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**Components:**

Ethanol	EC10 (Water flea (Daphnia magna), 10 d): 454 mg/l NOEC (Water flea (Daphnia magna), 10 d): 9.6 mg/l NOAEL (Ceriodaphnia dubia, 10 d): 9.6 mg/l (semi-static) Experimental result, Key study NOAEL (Daphnia magna, 9 d): 9.6 mg/l (semi-static) Experimental result, Key study
Methanol	NOAEL (Daphnia magna, 21 d): 208 mg/l Estimated by calculation, Weight of Evidence study

**Toxicity to Aquatic Plants**

<b>Product:</b>	No data available.
<b>Components:</b>	
Ethanol	No data available.
Methanol	No data available.

**Toxicity to microorganisms**

<b>Product:</b>	No data available.
<b>Components:</b>	
Ethanol	LC 50 (Turbellarian, flatworm (Dugesia tigrina), 96 h): > 100 mg/l Mortality
Methanol	LC 50 (Turbellarian, flatworm (Dugesia tigrina), 96 h): > 100 mg/l Mortality

**Persistence and Degradability**

**Biodegradation**

<b>Product:</b>	No data available.
<b>Components:</b>	
Ethanol	Readily biodegradable 13.6 % (5 d) Soil Read-across from supporting substance (structural analogue or surrogate), Supporting study 89 % (14 d) Detected in water. Experimental result, Supporting study 53.4 % (5 d) Soil Read-across from supporting substance (structural analogue or surrogate), Supporting study 46.3 % (5 d) Soil Read-across from supporting substance (structural analogue or surrogate), Supporting study
Methanol	84 % Experimental result, Key study Detected in water. 46.3 % (5 d) Experimental result, Supporting study Soil 69 % Experimental result, Key study Detected in water. 71.5 % (5 d) Experimental result, Key study Detected in water. 82.7 % (5 d) Experimental result, Key study Detected in water.

**BOD/COD Ratio**

<b>Product:</b>	No data available.
<b>Components:</b>	
Ethanol	No data available.
Methanol	No data available.

**Bioaccumulative potential**



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**Bioconcentration Factor (BCF)**

<b>Product:</b>	No data available.
<b>Components:</b>	
Ethanol	Potential to bioaccumulate is low. Cyprinus carpio, Bioconcentration Factor (BCF): 3 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 1 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study
Methanol	Leuciscus idus, Bioconcentration Factor (BCF): < 10 Aquatic sediment Experimental result, Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Experimental result, Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 1 Aquatic sediment Experimental result, Supporting study Cyprinus carpio, Bioconcentration Factor (BCF): 3 Aquatic sediment Experimental result, Supporting study Green algae (Chlorella fusca vacuolata), Bioconcentration Factor (BCF): 28,400 (Static)

**Partition Coefficient n-octanol / water (log Kow)**

<b>Product:</b>	Log Kow: No data available.
<b>Components:</b>	
Ethanol	No data available.
Methanol	Log Kow: -0.77

**Mobility in soil:**

<b>Product</b>	No data available.
<b>Components:</b>	
Ethanol	soil - Very mobile liquid
Methanol	No data available.

**Results of PBT and vPvB assessment:**

<b>Product</b>	No data available.
<b>Components:</b>	
Ethanol	Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria
Methanol	No data available.

**Other adverse effects:**



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**Other hazards**

**Product:** No data available.

**13. Disposal considerations**

**General information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal methods:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**14. Transport information**

**DOT**

UN number or ID number: UN 1993  
UN Proper Shipping Name: Flammable liquids, n.o.s.  
Transport Hazard Class(es)  
Class: 3  
Label(s): 3  
Packing Group: III  
Marine Pollutant: No

Special precautions for user: Not regulated.

**IMDG**

UN number or ID number: UN 1993  
UN Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.  
Transport Hazard Class(es)  
Class: 3  
Subsidiary risk: 3  
EmS No.: F-E, S-E  
Packing Group: III  
Environmental Hazards  
Marine Pollutant: No

Special precautions for user: Not regulated.



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**IATA**

UN number or ID number:	UN 1993
Proper Shipping Name:	Flammable liquid, n.o.s.
Transport Hazard Class(es):	
Class:	3
Subsidiary risk:	3
Packing Group:	III
Environmental Hazards	
Marine pollutant:	No
Special precautions for user:	Not regulated.

**15. Regulatory information****US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**  
None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**  
None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**  
None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

**Chemical Identity**

Ethanol  
Methanol

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Flammable (gases, aerosols, liquids, or solids), Carcinogenicity, Hazards Not Otherwise Classified (HNOC)

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**



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<u>Chemical Identity</u>	<u>% by weight</u>
Methanol	1.0%

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**  
None present or none present in regulated quantities.

### US State Regulations

#### US. California Proposition 65



**WARNING:** This product can expose you to chemicals including, Ethanol which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.

This product can expose you to chemicals including, Methanol which is [are] known to the State of California to cause birth defects or other reproductive harm.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity  
Ethanol  
Methanol

#### US. Massachusetts RTK - Substance List

Chemical Identity  
Ethanol

#### US. Pennsylvania RTK - Hazardous Substances

Chemical Identity  
Ethanol

#### US. Rhode Island RTK

Chemical Identity  
Ethanol

### International regulations

**Montreal protocol**  
Not applicable

**Stockholm convention**  
Not applicable

**Rotterdam convention**  
Not applicable



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**Kyoto protocol**  
Not applicable

**16. Other information, including date of preparation or last revision**

**Issue Date:** 12/14/2021

**Version #:** 2.2

**Source of information:** European Chemicals Agency (ECHA): Information on Chemicals.

**Further Information:** No data available.

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