

## Safety Data Sheet

**BIOBOR JF®**
**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking**
**1.1 Product identifier**

- Product Name**
- **Biobor JF®**
  - EPA REG. NO. 65217-1.

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

- Relevant identified use(s)**
- Biocide

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

- Manufacturer**
- Hammonds Fuel Additives, Inc.  
6951 W Little York Rd  
Houston, TX 77040  
United States  
www.biobor.com  
sales@biobor.com
- Telephone (General)**
- (800) 548-9166

**1.4 Emergency telephone number**

- U.S.**
- Chemtrec - US - (800) 424-9300
- International**
- 001-703-527-3887 - Chemtrec INT

**Section 2: Hazards Identification**
**EU/EEC**

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]  
 According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

**2.1 Classification of the substance or mixture**

- CLP**
- Flammable Liquids 3 - H226  
Serious Eye Damage 1 - H318
- DSD/DPD**
- Flammable  
Irritant (Xi)  
R10, R41

**2.2 Label Elements**

CLP

**DANGER**

- Hazard statements**
- H226 - Flammable liquid and vapour
  - H318 - Causes serious eye damage

**Precautionary statements**

- Prevention** • P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and/or bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting/equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response** • P370+P378 - In case of fire: Use appropriate media for extinction.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.
- Storage/Disposal** • P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**DSD/DPD**

- Risk phrases** • R10 - Flammable.  
R41 - Risk of serious damage to eyes.
- Safety phrases** • S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S39 - Wear eye/face protection.

**2.3 Other Hazards**

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD**
- According to European Directive 1999/45/EC this material is considered dangerous.

**United States (US)**

According to: OSHA 29 CFR 1910.1200 HCS

**2.1 Classification of the substance or mixture**

- OSHA HCS 2012**
- Flammable Liquids 3
  - Serious Eye Damage 1

**2.2 Label elements**

**OSHA HCS 2012**

**DANGER**

- Hazard statements** • Flammable liquid and vapour  
Causes serious eye damage

**Precautionary statements**

- Prevention** • Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground and/or bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wear protective gloves/protective clothing/eye protection/face protection.
- Response** • In case of fire: Use appropriate media for extinction.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.

- Storage/Disposal**
- Store in a well-ventilated place. Keep cool.
  - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other hazards

### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Canada

According to: WHMIS

## 2.1 Classification of the substance or mixture

### WHMIS

- Combustible Liquids - B3
- Corrosive - E

## 2.2 Label elements

### WHMIS



- Combustible Liquids - B3
- Corrosive - E

## 2.3 Other hazards

### WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

- Material does not meet the criteria of a substance.

### 3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
2,2' - (1-methyltrimethylenedioxy) bis - (4-methyl-1, 3, 2-dioxaborinane)	NDA	0% TO 95%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	CAS:8063-89-6	0% TO 95%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA

Naphtha	CAS:8030-30-6 EC Number:232-443-2 EU Index:649-262-00-3	4.5%	Ingestion/Oral-Rat LD50 • >5 g/kg Skin-Rabbit LD50 • >3 g/kg	EU DSD/DPD: Annex VI, Table 3.2: Xn, R65 EU CLP: Annex VI, Table 3.1: Asp. Tox. 1, H304 OSHA HCS 2012: Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3: Narc. & Resp. Irrit.	NDA
Non-hazardous and other ingredients below reportable levels	NDA	Balance	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Arsenic	CAS:7440-38-2 EC Number:231-148-6 EU Index:033-001-00-X	< 0.1%	Ingestion/Oral-Rat LD50 • 763 mg/kg	EU CLP: Community workplace exposure limit OSHA HCS 2012: Exposure limits	NDA

See Section 16 for full text of H-statements and R-phrases.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if symptoms occur.

#### Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash skin with soap and water. If irritation develops and persists, get medical attention.

#### Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

#### Ingestion

- Immediately induce vomiting, as directed by medical personnel. Obtain medical attention immediately if ingested.

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

- Refer to Section 11 - Toxicological Information.

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

#### Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

- LARGE FIRES: Water spray, fog or alcohol-resistant foam.  
SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

#### Unsuitable Extinguishing Media

- Do not use straight water stream.

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

#### Unusual Fire and Explosion Hazards

- Containers may explode when heated.  
Vapor explosion hazard indoors, outdoors or in sewers.  
HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.  
Many liquids are lighter than water.  
Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).  
Runoff to sewer may create fire or explosion hazard.  
Vapors may form explosive mixtures with air.

**Hazardous Combustion Products**

- Vapors may travel to source of ignition and flash back.
- Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.)

**5.3 Advice for firefighters**

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

**Section 6 - Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures****Personal Precautions**

- Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Emergency Procedures**

- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas.

**6.2 Environmental precautions**

- Prevent entry into waterways, sewers, basements or confined areas.

**6.3 Methods and material for containment and cleaning up****Containment/Clean-up Measures**

- Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors. All equipment used when handling the product must be grounded. LARGE SPILLS: Dike far ahead of liquid spill for later disposal. LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

**6.4 Reference to other sections**

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

**Section 7 - Handling and Storage****7.1 Precautions for safe handling****Handling**

- Use only in well ventilated areas. Avoid contact with heat and ignition sources. Do not use sparking tools. Take precautionary measures against static charges. All equipment used when handling the product must be grounded. The container is hazardous when empty. Do not use heat, sparks, open flames, torches, cigarettes on or near empty container. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or where skin contact can occur. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. If container is warm, open bung slowly to release internal pressure.

**7.2 Conditions for safe storage, including any incompatibilities****Storage**

- Keep container tightly closed. Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources. Protect from direct sunlight. WARNING:

Hot organic chemical vapors or mists can suddenly, and without warning, combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. Any use in such processes should be evaluated thoroughly to assure safe operating conditions.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Arsenic (7440-38-2)	TWAs	0.01 mg/m <sup>3</sup> TWA	Not established	Not established
	Ceilings	Not established	0.002 mg/m <sup>3</sup> Ceiling (15 min)	Not established
Naphtha (8030-30-6)	TWAs	Not established	100 ppm TWA; 400 mg/m <sup>3</sup> TWA	100 ppm TWA; 400 mg/m <sup>3</sup> TWA

### 8.2 Exposure controls

#### Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.

#### Personal Protective Equipment

##### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. 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 symptoms are experienced.

##### Eye/Face

- Wear chemical splash safety goggles.

##### Skin/Body

- Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

#### Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

#### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Yellow liquid with aromatic odor.
Color	Yellow	Odor	Aromatic
Odor Threshold	Data lacking		
General Properties			
Boiling Point	529 F(276.1111 C)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking

Specific Gravity/Relative Density	= 1.05 Water=1	Water Solubility	Moderately soluble
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
<b>Volatility</b>			
Vapor Pressure	Data lacking	Vapor Density	> 1 Air=1
Evaporation Rate	< 1 n-Butyl Acetate = 1		
<b>Flammability</b>			
Flash Point	102 F(38.8889 C) TCC (Tagliabue Closed Cup)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Excess heat, sparks, open flame.

### 10.5 Incompatible materials

- Water. Oxidizers.

### 10.6 Hazardous decomposition products

- No data available

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

		Components
Naphtha (4.5%)	8030-30-6	<p><b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • &gt;5 g/kg; Ingestion/Oral-Woman TDLo • 20 mL/kg; <i>Lungs, Thorax, or Respiration:Acute pulmonary edema; Lungs, Thorax, or Respiration:Respiratory depression; Gastrointestinal:Nausea or vomiting;</i> Ingestion/Oral-Woman TDLo • 20 mL/kg; <i>Behavioral:Somnolence (general depressed activity); Lungs, Thorax, or Respiration:Consolidation; Gastrointestinal:Nausea or vomiting;</i> Skin-Rabbit LD50 • &gt;3 g/kg; <i>Sense Organs and Special Senses:Eye:Other; Behavioral:Food intake (animal);</i></p> <p><b>Irritation:</b> Eye-Rabbit • 100 µL • Mild irritation; Skin-Rabbit • 500 µL • Moderate irritation;</p> <p><b>Tumorigen / Carcinogen:</b> Skin-Mouse TDLo • 330 g/kg 88 Week(s)-Intermittent; <i>Tumorigenic:Carcinogenic by RTECS criteria; Skin and Appendages:Other:Tumors</i></p>

### GHS Properties

### Classification

<b>Respiratory sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Serious eye damage/Irritation</b>	EU/CLP • Serious Eye Damage 1 OSHA HCS 2012 • Serious Eye Damage 1
<b>Acute toxicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Aspiration Hazard</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Carcinogenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Skin corrosion/Irritation</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Skin sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>STOT-RE</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>STOT-SE</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Toxicity for Reproduction</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
<b>Germ Cell Mutagenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No data available.

### Skin

- Acute (Immediate)** • May cause slight to mild irritation.
- Chronic (Delayed)** • Prolonged or repeated contact may dry the skin and lead to irritation (i.e. dermatitis)

### Eye

- Acute (Immediate)** • Causes serious eye damage.
- Chronic (Delayed)** • No data available.

### Ingestion

- Acute (Immediate)** • May cause nausea, committing, pain and stomach upset (e.g., diarrhea)
- Chronic (Delayed)** • No data available.

### Carcinogenic Effects

- This material does contain a component that may cause cancer, however based on regulatory criteria this material is not classified as a carcinogen.

<b>Carcinogenic Effects</b>			
	<b>CAS</b>	<b>IARC</b>	<b>NTP</b>
Arsenic	7440-38-2	Group 1-Carcinogenic	Known Human Carcinogen

### Key to abbreviations

- LD = Lethal Dose
- TD = Toxic Dose



## Section 12 - Ecological Information

### 12.1 Toxicity

- No data is available on this product.

### 12.2 Persistence and degradability

- No data is available on this product.

### 12.3 Bioaccumulative potential

- No data is available on this product.

### 12.4 Mobility in Soil

- No data is available on this product.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1993	Flammable liquids, n.o.s. (mixed dioxaborinanes, naphtha)	3	III	NDA
TDG	UN1993	FLAMMABLE LIQUID, N.O.S. (mixed dioxaborinanes, naphtha)	3	III	NDA
IMO/IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (mixed dioxaborinanes, naphtha)	3	III	NDA
IATA/ICAO	UN1993	Flammable liquid, n.o.s. (mixed dioxaborinanes, naphtha)	3	III	NDA

### 14.6 Special precautions for user

- None specified.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

### 14.8 Other information

- This product is not regulated if shipped in containers less than 2.5 gallons.

## Section 15 - Regulatory Information

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

### SARA Hazard Classifications • Fire

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	No	No	No	No	No
Arsenic	7440-38-2	Yes	No	Yes	No	Yes
Naphtha	8030-30-6	Yes	No	Yes	No	Yes

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

• Naphtha	8030-30-6	B2
• Arsenic	7440-38-2	D1A, D2A
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

#### Canada - WHMIS - Ingredient Disclosure List

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	0.1 %
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

### Environment

#### Canada - CEPA - Priority Substances List

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

## United States

### Labor

#### U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

#### U.S. - OSHA - Specifically Regulated Chemicals

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

### Environment

#### U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Naphtha	8030-30-6	Not Listed 1 lb final RQ (no reporting of
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		releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 0.454 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
• Arsenic	7440-38-2	
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed
<b>U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities</b>		
• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</b>		
• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs</b>		
• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</b>		
• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	0.1 % de minimis concentration
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing</b>		
• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

## United States - California

### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

#### U.S. - California - Proposition 65 - Developmental Toxicity

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

#### U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	0.06 µg/day NSRL (inhalation); 10 µg/day NSRL (except inhalation)
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Female**

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Naphtha	8030-30-6	Not Listed
• Arsenic	7440-38-2	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

**15.2 Chemical Safety Assessment**

- No Chemical Safety Assessment has been carried out.

**Section 16 - Other Information****Relevant Phrases (code & full text)**

- H304 - May be fatal if swallowed and enters airways
- R65 - Harmful: may cause lung damage if swallowed.

**Revision Date**

- 03/August/2015

**Preparation Date**

- 01/January/2013

**Disclaimer/Statement of Liability**

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**Key to abbreviations**

NDA = No data available