Safety Data Sheet

BIOBOR® JF

Hammonds® Fuel Additives, Inc.

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

Manufacturer

- Chemtrec - US - (800) 424-9300

Manufacturer

- 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)	**CAS:**2665-13-6 **EC Number:**220-198-4	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:**14697-50-8 **EC Number:**238-749-2	0% TO 95%	NDA	**EU DSD/DPD:** Not Classified **EU CLP:** Not Classified **OSHA HCS 2012:** Not Classified	NDA

May be referred as
*mixture - Substituted Dioxaborinanes **CAS:**8063-89-6

Naphtha	**CAS:**64742-89-8 **EC Number:**265-192-2 **EU Index:**649-267-00-0	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

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, CO2, 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.

Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products

- 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**
Naphtha (64742-89-8)	TWAs	Not established	100 ppm TWA; 400 mg/m3 TWA	100 ppm TWA; 400 mg/m3 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		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	> 1 Air=1
Evaporation Rate	< 1 n-Butyl Acetate = 1		
Flammability			
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		
Environmental			
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%)	64742-89-8	**Acute Toxicity:** Ingestion/Oral-Rat LD50 • >5 g/kg; Ingestion/Oral-Woman TDLo • 20 mL/kg; *Lungs, Thorax, or Respiration*:**Acute pulmonary edema**; *Lungs, Thorax, or Respiration*:**Respiratory depression**; *Gastrointestinal*:**Nausea or vomiting**; Ingestion/Oral-Woman TDLo • 20 mL/kg; *Behavioral*:**Somnolence (general depressed activity)**; *Lungs, Thorax, or Respiration*:**Consolidation**; *Gastrointestinal*:**Nausea or vomiting**; Skin-Rabbit LD50 • >3 g/kg; *Sense Organs and Special Senses:Eye*:**Other**; *Behavioral*:**Food intake (animal)**; **Irritation:** Eye-Rabbit • 100 µL • Mild irritation; Skin-Rabbit • 500 µL • Moderate irritation; **Tumorigen / Carcinogen:** Skin-Mouse TDLo • 330 g/kg 88 Week(s)-Intermittent; *Tumorigenic*:**Carcinogenic by RTECS criteria**; *Skin and Appendages:Other*:**Tumors**

GHS Properties	Classification

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

Carcinogenic Effects			
	CAS	**IARC**	**NTP**

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' (1-methyltrimethylenedioxy) bis - (4-methyl-1,3,2-dioxaborinane)	2665-13-6	Yes	No	Yes	No	Yes
2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	14697-50-8	Yes	No	Yes	No	Yes
Naphtha	64742-89-8	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Naphtha	64742-89-8	B2
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Naphtha	64742-89-8	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Naphtha	64742-89-8	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	64742-89-8	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	64742-89-8	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	64742-89-8	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	64742-89-8	Not Listed

• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Naphtha	64742-89-8	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Naphtha	64742-89-8	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Naphtha	64742-89-8	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Naphtha	64742-89-8	Not Listed
• 2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane)	8063-89-6	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Naphtha	64742-89-8	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	64742-89-8	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	64742-89-8	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	64742-89-8	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	64742-89-8	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 - Female

• Naphtha	64742-89-8	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	64742-89-8	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

- 24/April/2020

Preparation Date

- 01/January/2013

Disclaimer/Statement of Liability

- USER’S RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be. DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Key to abbreviations

NDA = No data available