



Revision Date 09-Sep-2016

Version 1

# **1. IDENTIFICATION**

Product identifier Product Name

LBM-100 LASER ADDITIVE BONDING

Other means of identification Product Code UN/ID no. SKU(s)

SUP-15747-013 UN1950 None In case of emergency (OUTSIDE AUS): +00111844 577 7772 COMPANY: +617 3359 3868

Recommended use of the chemical and restrictions on useRecommended UseNo information available.Uses advised againstNo information available

Details of the supplier of the safety data sheet Supplier/Manufacturer LaserSupplies.com.au P.O. Box 258 Kedron QLD 4031 Australia

# 2. HAZARDS IDENTIFICATION

#### **Classification**

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Flammable aerosols	Category 1

**Emergency Overview** 

# Danger

Hazard statements Causes serious eye irritation May cause genetic defects May cause cancer May cause drowsiness or dizziness Extremely flammable aerosol



# **Precautionary Statements - Prevention**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wash face, hands and any exposed skin thoroughly after handling Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

# Precautionary Statements - Storage

Store locked up Store in a well-ventilated place. Keep container tightly closed

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# Hazards not otherwise classified (HNOC)

Other Information

Causes mild skin irritation
 Unknown acute toxicity
 0% of the mixture consists of ingredient(s) of unknown toxicity

# **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Ethanol	64-17-5	15 - 40	*
Acetone	67-64-1	15 - 40	*
Propane	74-98-6	10 - 30	*
Butane	106-97-8	5 - 10	*
Molybdenum	7439-98-7	1 - 5	*
Crystalline Silica	14808-60-7	1 - 5	*
Ethylene Glycol Butyl Ether	111-76-2	1 - 5	*
Methyl Isobutyl Ketone	108-10-1	0.1 - 1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

#### Description of first aid measures

#### **General advice**

Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If symptoms persist, call a physician.

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. If symptoms persist, call a physician.	
Skin Contact	Wash off immediately with plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.	
Inhalation	Immediate medical attention is required. Remove to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.	
Ingestion	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Call a physician.	
Self-protection of the first aider	Remove all sources of ignition. Use personal protective equipment as required.	
Most important symptoms and effects, both acute and delayed		
Symptoms	No information available.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Treat symptomatically.	

# **5. FIRE-FIGHTING MEASURES**

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

#### Specific hazards arising from the chemical

Flash back possible over considerable distance. Extremely flammable.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

#### Protective equipment and precautions for firefighters

In the event of fire and/or explosion do not breathe fumes.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

 Personal precautions
 Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Take precautionary measures against static discharges. Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

 Environmental precautions
 Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.		
Methods for cleaning up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, uni binder, sawdust). Pick up and transfer to properly labeled containers. Soak up with i absorbent material.			
7. HANDLING AND STORAGE			
Precautions for safe handling			
Advice on safe handling	Ensure adequate ventilation, especially in confined areas. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Use personal protective equipment as		

required. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can.

# Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep in an area equipped with sprinklers. Keep containers tightly closed in a cool, well-ventilated place.

# Incompatible materials Strong acids. Strong oxidizing agents. Chlorinated compounds.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Control parameters

# Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol	STEL: 1000 ppm	TWA: 1000 ppm	IDLH: 3300 ppm
64-17-5		TWA: 1900 mg/m <sup>3</sup>	TWA: 1000 ppm
		(vacated) TWA: 1000 ppm	TWA: 1900 mg/m <sup>3</sup>
		(vacated) TWA: 1900 mg/m <sup>3</sup>	
Acetone	STEL: 500 ppm	TWA: 1000 ppm	IDLH: 2500 ppm
67-64-1	TWA: 250 ppm	TWA: 2400 mg/m <sup>3</sup>	TWA: 250 ppm
		(vacated) TWA: 750 ppm	TWA: 590 mg/m <sup>3</sup>
		(vacated) TWA: 1800 mg/m <sup>3</sup>	
		(vacated) STEL: 2400 mg/m <sup>3</sup> The	
		acetone STEL does not apply to the	
		cellulose acetate fiber industry. It is	
		in effect for all other sectors	
		(vacated) STEL: 1000 ppm	
Propane	: See Appendix F: Minimal	TWA: 1000 ppm	IDLH: 2100 ppm
74-98-6	Oxygen Content	TWA: 1800 mg/m <sup>3</sup>	TWA: 1000 ppm
		(vacated) TWA: 1000 ppm	TWA: 1800 mg/m <sup>3</sup>
		(vacated) TWA: 1800 mg/m <sup>3</sup>	
Butane	STEL: 1000 ppm	(vacated) TWA: 800 ppm	TWA: 800 ppm
106-97-8		(vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 1900 mg/m <sup>3</sup>
Molybdenum	TWA: 10 mg/m <sup>3</sup> inhalable fraction	(vacated) TWA: 10 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup>
7439-98-7	TWA: 3 mg/m <sup>3</sup> respirable fraction		-
Crystalline Silica	TWA: 0.025 mg/m <sup>3</sup> respirable	(vacated) TWA: 0.1 mg/m <sup>3</sup>	IDLH: 50 mg/m <sup>3</sup> respirable dust
14808-60-7	fraction	respirable dust	TWA: 0.05 mg/m <sup>3</sup> respirable dust
		: (30)/(%SiO2 + 2) mg/m <sup>3</sup> TWA	<b>o</b> 1
		total dust	
		: (250)/(%SiO2 + 5) mppcf TWA	
		respirable fraction	
		: (10)/(%SiO2 + 2) mg/m <sup>3</sup> TWA	
		respirable fraction	

Ethylene Glycol Butyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Methyl Isobutyl Ketone 108-10-1	STEL: 75 ppm TWA: 20 ppm	TWA: 100 ppm TWA: 410 mg/m <sup>3</sup> (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m <sup>3</sup> (vacated) STEL: 75 ppm (vacated) STEL: 300 mg/m <sup>3</sup>	IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 75 ppm STEL: 300 mg/m <sup>3</sup>

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

#### Appropriate engineering controls

Engineering Controls	Showers Eyewash stations Ventilation systems.

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

Eye/face protection	Wear safety glasses with side shields (or goggles). Tight sealing safety goggles. Face protection shield.
Skin and body protection	No special technical protective measures are necessary.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Physical state Appearance Color	Aerosol No information available No information available	Odor Odor threshold	No information available No information available
Property pH Melting point/freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability Limit in Air	<u>Values</u> No information available No information available >= $-42 \degree C / -44 \degree F$ $-104 \degree C / -155 \degree F$ No information available No information available	<u>Remarks • Method</u>	
Upper flammability limit: Lower flammability limit: Vapor pressure Vapor density Specific Gravity Water solubility Solubility in other solvents Partition coefficient	No information available No information available No information available No information available 0.79 No information available No information available No information available		

Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties Other Information	No information available No information available No information available No information available No information available No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	6.55 lbs/gal
Bulk density	No information available
Percent solids by weight	10.1%
Percent volatile by weight	57.9%
Percent solids by volume	0.0%
Actual VOC (lbs/gal)	3.8
Actual VOC (grams/liter)	454.7
EPA VOC (lbs/gal)	5.6
EPA VOC (grams/liter)	665.7
EPA VOC (lb/gal solids)	0

# **10. STABILITY AND REACTIVITY**

# **Reactivity**

No data available

### **Chemical stability**

Stable under recommended storage conditions.

#### **Possibility of Hazardous Reactions**

None under normal processing.

#### Conditions to avoid

Heat, flames and sparks.

# Incompatible materials

Strong acids. Strong oxidizing agents. Chlorinated compounds.

# Hazardous Decomposition Products

None known based on information supplied.

# **11. TOXICOLOGICAL INFORMATION**

# Information on likely routes of exposure

Chemical Name	Oral I D50
Ingestion	No data available.
Skin Contact	No data available.
Eye contact	No data available.
Inhalation	No data available.
Product Information	No data available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat)4 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	-	= 50100 mg/m³(Rat)8 h

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Crustacea

Propane 74-98-6	-	-	= 658 mg/L (Rat)4 h
Butane 106-97-8	-	-	= 658 g/m³ (Rat)4 h
Molybdenum 7439-98-7	>5000 mg/kg (Rat)	>2000 mg/kg (Rat)	-
Crystalline Silica 14808-60-7	= 500 mg/kg (Rat)	-	-
Ethylene Glycol Butyl Ether 111-76-2	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat)4 h
Methyl Isobutyl Ketone 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 8.2 mg/L (Rat)4 h

### Information on toxicological effects

Symptoms

No information available.

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

Sensitization Germ cell mutagenicity Carcinogenicity

No information available. No information available.

Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	A3	Group 1	Known	Х
Crystalline Silica 14808-60-7	A2	Group 1	Known	Х
Ethylene Glycol Butyl Ether 111-76-2	A3	Group 3	-	-
Methyl Isobutyl Ketone 108-10-1	A3	Group 2B	-	Х

ACGIH (American Conference of Governmental Industrial Hygienists) A2 - Suspected Human Carcinogen A3 - Animal Carcinogen IARC (International Agency for Research on Cancer) Group 1 - Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans Group 3 - Not classifiable as a human carcinogen NTP (National Toxicology Program) Known - Known Carcinogen OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present **Reproductive toxicity** No information available. No information available. STOT - single exposure STOT - repeated exposure No information available. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic Chronic toxicity beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. Avoid repeated exposure. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin. blood, Central nervous system, Eyes, Hematopoietic System, kidney, liver, lungs, **Target Organ Effects** Reproductive System, Respiratory system, Skin. Aspiration hazard No information available.

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

# **12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

33.23% of the mixture consists of components(s) of unknown hazards to the aquatic environment Fish

Chemical Name Algae/aquatic plants

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Ethanol 64-17-5	-	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50
Acetone 67-64-1	-	4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Ethylene Glycol Butyl Ether 111-76-2	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50
Methyl Isobutyl Ketone 108-10-1	400: 96 h Pseudokirchneriella subcapitata mg/L EC50	496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through	170: 48 h Daphnia magna mg/L EC50

# Persistence and degradability No information available.

#### **Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
Ethanol 64-17-5	-0.32
Acetone 67-64-1	-0.24
Propane 74-98-6	2.3
Butane 106-97-8	2.89
Ethylene Glycol Butyl Ether 111-76-2	0.81
Methyl Isobutyl Ketone 108-10-1	1.19

Other adverse effects

No information available

# **13. DISPOSAL CONSIDERATIONS**

#### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**US EPA Waste Number** U002 U161

Chemical Name	RCRA	RCRA - Basis for Listing	<b>RCRA - D Series Wastes</b>	<b>RCRA - U Series Wastes</b>
Acetone 67-64-1	-	Included in waste stream: F039	-	U002
Methyl Isobutyl Ketone 108-10-1	-	Included in waste stream: F039	-	U161

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Ethanol	Toxic
64-17-5	Ignitable
Acetone 67-64-1	Ignitable

Molybdenu 7439-98-	m 7	Ignitable powder	
	14. TRANSPOR	TINFORMATION	
DOT UN/ID no. Proper shipping name Hazard Class Description Emergency Response Guide Number	UN1950 Aerosols 2.1 UN1950, Aerosols, 2.1 126		
<u>TDG</u> UN/ID no. Proper shipping name Hazard Class Description	UN1950 Aerosols 2.1 UN1950, Aerosols, 2.1		
<u>MEX</u> UN/ID no. Proper shipping name Hazard Class Description	UN1950 Aerosols 2 UN1950, Aerosols, 2		
ICAO (air) UN/ID no. Proper shipping name Hazard Class Special Provisions Description	UN1950 Aerosols 2.1 A145, A167 UN1950, Aerosols, 2.1		
IATA_ UN/ID no. Proper shipping name Hazard Class ERG Code Special Provisions Description	UN1950 Aerosols, flammable 2.1 10L A145, A167, A802 UN1950, Aerosols, flamm	nable, 2.1	
IMDG UN/ID no. Proper shipping name Hazard Class EmS-No. Special Provisions Description	UN1950 Aerosols 2 F-D, S-U 63,190, 277, 327, 344, 95 UN1950, Aerosols, 2	59	
<u>RID</u> UN/ID no. Proper shipping name Hazard Class Classification code Description	UN1950 Aerosols 2.1 5F UN1950, Aerosols, 2.1		
ADR UN/ID no. Proper shipping name Hazard Class Classification code Tunnel restriction code	UN1950 Aerosols 2.1 5F (D)		

Special Provisions Description Labels	190, 327, 344, 625 UN1950, Aerosols, 2.1, (D) 2.1
ADN	
Proper shipping name	Aerosols
Hazard Class	2.1
Classification code	5F
Special Provisions	190, 327, 344, 625
Description	UN1950, Aerosols, 2.1
Hazard label(s)	2.1
Limited quantity (LQ)	1 L
Ventilation	VE01, VE04

## **15. REGULATORY INFORMATION**

International Inventories	
TSCA	Complies
DSL/NDSL	Complies *
EINECS/ELINCS	Does not comply *
ENCS	Does not comply *
IECSC	Complies *
KECL	Complies *
PICCS	Complies *
AICS	Complies *

\* This product contains an unknown chemical, therefore, this product's compliance to the inventory list is NOT DETERMINED

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances ENCS - Japan Existing and New Chemical Substances IECSC - China Inventory of Existing Chemical Substances KECL - Korean Existing and Evaluated Chemical Substances PICCS - Philippines Inventory of Chemicals and Chemical Substances AICS - Australian Inventory of Chemical Substances

## US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Ethylene Glycol Butyl Ether	1.0

#### SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Acetone	5000 lb	-	RQ 5000 lb final RQ
67-64-1			RQ 2270 kg final RQ
Methyl Isobutyl Ketone	5000 lb	-	RQ 5000 lb final RQ
108-10-1			RQ 2270 kg final RQ
US State Degulations			

#### US State Regulations

# **California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65		
Ethanol - 64-17-5	Carcinogen		
	Developmental		
Crystalline Silica - 14808-60-7	Carcinogen		
Methyl Isobutyl Ketone - 108-10-1	Carcinogen		
	Developmental		

### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts
Ethanol 64-17-5	Х	X
Acetone 67-64-1	Х	X
Propane 74-98-6	Х	X
Butane 106-97-8	Х	X
Molybdenum 7439-98-7	Х	X
Crystalline Silica 14808-60-7	Х	X
Ethylene Glycol Butyl Ether 111-76-2	Х	X
Methyl Isobutyl Ketone 108-10-1	Х	X
Propylene Glycol Methyl Ether 107-98-2	Х	Х

Chemical Name	Pennsylvania		
Ethanol 64-17-5	x		
Acetone 67-64-1	x		
Propane 74-98-6	X		
Butane 106-97-8	X		
Crystalline Silica 14808-60-7	X		
Molybdenum 7439-98-7	X		
Ethylene Glycol Butyl Ether 111-76-2	X		

#### U.S. EPA Label Information EPA Pesticide Registration Number Not applicable

# Hazardous air pollutants (HAPS) content

This product contains no reportable Hazardous Air Pollutants

# 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards	<b>s</b> 2	Flammability 4	Instability 0	Physical and Chemical Properties *
<u>HMIS</u>	Health hazards	<b>3</b> 2*	Flammability 4	Physical hazards 0	Personal protection X
Chronic Hazard Star Le	egend *=	- Chronic	Health Hazard		
Revision Date Revision Note No information available		-Sep-201	16		

### **Disclaimer**

The information provided in this 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. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.

**End of Safety Data Sheet**