

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • Buffer LH

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

Relevant identified use(s) • Cell lysis

1.3 Details of the supplier of the safety data sheet

Manufacturer • NanoString Technologies
530 Fairview Avenue North
Seattle, WA 98109
United States
www.nanostring.com
operations@nanostring.com

Telephone (General) • 206.378.NANO (6266)

1.4 Emergency telephone number

Manufacturer • 206.378.NANO (6266)

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

2.1 Classification of the substance or mixture

CLP • Not classified

2.2 Label Elements

CLP
Hazard statements • No label element(s) required

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

UN GHS Revision 3

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Third Revised Edition

2.1 Classification of the substance or mixture

UN GHS • Not classified

2.2 Label elements

UN GHS

Hazard statements • No label element(s) required

Precautionary statements

2.3 Other hazards

UN GHS

• According to the Globally Harmonized System for Classification and Labeling (GHS) this product is not considered hazardous

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 • Not classified

2.2 Label elements

OSHA HCS 2012

Hazard statements • No label element(s) required

2.3 Other hazards

OSHA HCS 2012

• This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to: WHMIS 2015

2.1 Classification of the substance or mixture

WHMIS 2015 • Not classified

2.2 Label elements

WHMIS 2015

Hazard statements • No label element(s) required

Precautionary statements

2.3 Other hazards

WHMIS 2015

• In Canada, the product mentioned above is not 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
Component A	CAS:7732-18-5 EC Number:231-791-2	> 96%	Ingestion/Oral-Rat LD50 • >90 mL/kg	EU CLP: Non-Hazardous UN GHS Revision 3: Non-Hazardous OSHA HCS 2012: Non-Hazardous WHMIS 2015: Non-Hazardous	NDA
Component E	CAS:77-86-1 EC Number:201-064-4	< 1%	Ingestion/Oral-Rat LD50 • >3000 mg/kg	EU CLP: Skin Irrit. 2, H315 UN GHS Revision 3: Skin Irrit. 2 OSHA HCS 2012: Skin Irrit. 2 WHMIS 2015: Skin Irrit. 2	NDA
Component D	CAS:9002-93-1	< 1%	NDA	EU CLP: Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 2, H411 UN GHS Revision 3: Acute Tox. 4 (Orl); Eye Irrit. 2, Skin Irrit. 3; Aquatic Acute 2; Aquatic Chronic 2 OSHA HCS 2012: Acute Tox. 4 (Orl); Eye Irrit. 2 WHMIS 2015: Acute Tox. 4 (Orl); Eye Irrit. 2	NDA
Component C	CAS:7647-01-0 EU Index:017-002-01-X EINECS:231-595-7	< 1%	NDA	EU CLP: Annex VI, Table 3.1: Skin Corr. 1B, H314; STOT SE 3, H335 UN GHS Revision 3: Skin Corr. 1; Eye Dam. 1 OSHA HCS 2012: Skin Corr. 1; Eye Dam. 1 WHMIS 2015: Skin Corr. 1; Eye Dam. 1	NDA
Component B	CAS:7647-14-5 EC Number:231-598-3	< 1%	Ingestion/Oral-Rat LD50 • 3000 mg/kg	EU CLP: Eye Irrit. 2, H319 UN GHS Revision 3: Acute Tox. 5 (Orl); Eye Irrit. 2; Skin Irrit. 3 OSHA HCS 2012: Eye Irrit. 2 WHMIS 2015: Eye Irrit. 2	NDA

See Section 16 for full text of H-statements.

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.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

Ingestion

- If swallowed, rinse mouth with water (only if the person is conscious) If large quantities are swallowed, call a physician immediately.

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 FIRE: Water spray, fog or regular foam.

SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media

- No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards

- Some may burn but none ignite readily.

Hazardous Combustion Products

- No data available.

5.3 Advice for firefighters

- Move containers from fire area if you can do it without risk.
Wear positive pressure self-contained breathing apparatus (SCBA).
Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

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. Use appropriate Personal Protective Equipment (PPE)

Emergency Procedures

- Keep unauthorized personnel away. Stay upwind.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Stop leak if you can do it without risk.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

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

- Handle in accordance with good industrial and safety practice. Wear recommended Personal Protective Equipment when handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container tightly closed and store at recommended temperature.

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

Component C (7647-01-0)	Ceilings	2 ppm Ceiling	5 ppm Ceiling; 7 mg/m3 Ceiling	5 ppm Ceiling; 7 mg/m3 Ceiling
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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.

Personal Protective Equipment

Respiratory

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

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- 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

Section 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Brown particulate in clear solution.
Color	Brown/clear	Odor	Data lacking
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	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

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- No data available.

10.5 Incompatible materials

- No data available.

10.6 Hazardous decomposition products

- No data available.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Component B (< 1%)	7647-14-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3000 mg/kg; Ingestion/Oral-Rat TDLo • 1.43 mg/kg; Gastrointestinal:Ulceration or bleeding from stomach; Irritation: Eye-Rabbit • 10 mg • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Mutagen: Micronucleus test • Ingestion/Oral-Rat • 2 pph 14 Day(s); Unscheduled DNA synthesis • Ingestion/Oral-Rat • 16800 mg/kg 4 Week(s)-Continuous
Component D (< 1%)	9002-93-1	Acute Toxicity: Ingestion/Oral-Rat LD50 • 1800 mg/kg; Irritation: Eye-Rabbit • 10 µL 24 Hour(s) • Moderate irritation; Skin-Rabbit • 500 µL 24 Hour(s) • Mild irritation; Multi-dose Toxicity: Skin-Rat TDLo • 36 mL/kg 11 Day(s)-Intermittent; Skin and Appendages:After systemic exposure:Dermatitis, other; Reproductive: Ingestion/Oral-Rat TDLo • 11600 mg/kg (2W pre-22D post); Reproductive Effects:Specific Developmental Abnormalities:Urogenital system; Skin-Rat TDLo • 40 mL/kg (6-15D preg); Reproductive Effects:Maternal Effects:Other effects; Reproductive Effects:Specific Developmental Abnormalities:Musculoskeletal system
Component E (< 1%)	77-86-1	Acute Toxicity: Ingestion/Oral-Rat LD50 • >3000 mg/kg; Irritation: Skin-Rabbit • 500 mg • Severe irritation; Skin-Rabbit • 25 % • Moderate irritation
Component C (< 1%)	7647-01-0	Acute Toxicity: Inhalation-Mouse LC50 • 3940 mg/m ³ 30 Minute(s); Lungs, Thorax, or Respiration:Acute pulmonary edema; Inhalation-Rat LC50 • 3124 ppm 1 Hour(s); Sense Organs and Special Senses:Olfaction:Other changes; Sense Organs and Special Senses:Eye:Iritis; Irritation: Eye-Rabbit • 5 mg 30 Second(s)-Rinse • Mild irritation; Skin-Human • 4 % 24 Hour(s) • Mild irritation; Reproductive: Inhalation-Rat TCLo • 450 mg/m ³ 1 Hour(s)(1D pre); Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects:Specific Developmental Abnormalities:Homeostasis

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Skin corrosion/Irritation	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
	EU/CLP • Data lacking

Serious eye damage/Irritation	UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Skin sensitization	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Carcinogenicity	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
STOT-SE	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
STOT-RE	EU/CLP • Data lacking UN GHS 3 • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking

Potential Health Effects

Inhalation

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Key to abbreviations

LC = Lethal Concentration

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

Section 12 - Ecological Information**12.1 Toxicity**

	CAS	
Buffer LH	NDA	<p>Aquatic Toxicity-Fish: 4 Day(s) LC50 <i>Fathead minnow</i> 4.3-4.8 mg/L Comments: Glycols, polyethylene, mono(p-(1,1,3,3-tetramethylbutyl)phenyl) ether (9002-93-1)</p> <p>96 Hour(s) LC50 <i>Morone saxatilis (Striped Bass)</i> 1000 mg/L Comments: Sodium chloride (7647-14-5)</p> <p>21 Day(s) NOEC <i>Pimephales promelas (Fathead Minnow)</i> 25.43 mg/L Comments: Sodium chloride (7647-14-5)</p> <p>96 Hour(s) LC50 <i>Gambusia affinis (Western Mosquitofish)</i> 282 mg/L Comments: Hydrochloric Acid (7647-01-0)</p> <p>Aquatic Toxicity-Crustacea: 48 Hour(s) LC50 <i>Carcinus maenas (Green Crab)</i> 240 mg/L Comments: Hydrochloric Acid (7647-01-0)</p> <p>7 Day(s) NOEC <i>Ceriodaphnia dubia (Water Flea)</i> 130 mg/L Comments: Sodium chloride (7647-14-5)</p> <p>48 Hour(s) EC50 <i>Daphnia Magna (Water flea)</i> 402.6 mg/L Comments: Sodium chloride (7647-14-5)</p> <p>Aquatic Toxicity-Algae and Other Aquatic Plant(s): 72 Hour(s) EC50 <i>Microcystis aeruginosa (Blue-Green Algae)</i> 4473 mg/L Comments: Sodium chloride (7647-14-5)</p> <p>7 Day(s) NOEC <i>Nannochloropsis sp.(Microalgae)</i> 40000 mg/L Comments: Sodium chloride (7647-14-5)</p>

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

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	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

14.6 Special precautions for user • None specified.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code • Data lacking.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • None

State Right To Know				
Component	CAS	MA	NJ	PA
Component E	77-86-1	No	No	No
Component D	9002-93-1	No	No	No
Component C	7647-01-0	Yes	Yes	Yes
Component B	7647-14-5	No	No	No
Component A	7732-18-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Component E	77-86-1	Yes	No	Yes	No	Yes
Component D	9002-93-1	Yes	No	No	No	Yes
Component C	7647-01-0	Yes	No	Yes	No	Yes
Component B	7647-14-5	Yes	No	Yes	No	Yes
Component A	7732-18-5	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS 1988 - Classifications of Substances

• Component E	77-86-1	D2B
• Component B	7647-14-5	Uncontrolled product according to WHMIS classification criteria A, D1A, E (listed under Hydrogen chloride); D1A, E; E (0.036% in aqueous solution, 0.36% in aqueous solution, 3.6% in aqueous solution); D1B, E (28% in aqueous solution); D1A, E (31.45% in aqueous solution, 35.2% in aqueous solution)
• Component C	7647-01-0	
• Component A	7732-18-5	Uncontrolled product according to WHMIS

• Component D	9002-93-1	classification criteria Not Listed
Canada - WHMIS 1988 - Ingredient Disclosure List		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	1 %
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	1 %

Environment**Canada - CEPA - Priority Substances List**

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	5000 lb TQ; 5000 lb TQ (anhydrous)
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

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

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

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

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	5000 lb final RQ; 2270 kg final RQ
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

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

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed

• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	5000 lb EPCRA RQ (gas only)
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	500 lb TPQ (gas only)
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	1.0 % de minimis concentration (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

United States - California

Environment

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

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

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

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

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

• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed

• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Component E	77-86-1	Not Listed
• Component B	7647-14-5	Not Listed
• Component C	7647-01-0	Not Listed
• Component A	7732-18-5	Not Listed
• Component D	9002-93-1	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- H411 - Toxic to aquatic life with long lasting effects

Revision Date

- 19/February/2019

Preparation Date

- 30/August/2016

Disclaimer/Statement of Liability

- The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations

NDA = No Data Available