

1.

# SAFETY DATA SHEET Buffer B5 Buffer BE Buffer PB

IDENTIFICATION	
Product Name	Buffer B5 Buffer BE Buffer PB
Recommended use of the chemical and	
restrictions on use Identified Uses	For Research and Development Use Only
Company Identification	Covaris, Inc.
Customer Information Number	14 Gill Street, Unit H Woburn, MA 01801 (781) 932-3959
Emergency Telephone Number	(800) 424-9300 (for emergencies only)
Chemtrec Number	(800) 424-9300
Issue Date	September 25, 2013
Supersedes Date	
Safety Data Sheet prepared in accordance with OSHA	's Hazard Communication Standard (29 CFR 1910.1200)and the Globally

Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

# 2. HAZARD IDENTIFICATION

# **Hazard Classification**

This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling (GHS).

# Label Elements

Hazard Symbols None

Signal Word: None

Hazard Statements None Precautionary Statements Prevention None Response None Storage None Disposal None Other Hazards

None



**CAS Number** 

N.A.

# 2. HAZARD IDENTIFICATION

# **Specific Concentration Limits**

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	0%
Acute dermal toxicity	0%
Acute inhalation toxicity	0%
Acute aquatic toxicity	100%

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

#### Component

Non hazardous mixture

# 4. FIRST- AID MEASURES

#### Description of necessary first-aid measures

#### Eyes

Flush the eye with plenty of water. Obtain medical attention if symptoms persist. **Skin** 

Wash affected area with plenty of water. Seek medical attention if symptoms persist.

#### Ingestion

Rinse mouth with plenty of water. Inhalation Not an expected route of entry.

#### Most important symptoms/effects, acute and delayed

Aside from the information found under description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

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

#### Notes to Physicians

Treat symptomatically.

# 5. FIRE - FIGHTING MEASURES

# Suitable (and unsuitable) Extinguishing Media

Use foam, dry chemical or carbon dioxide. Use water spray for surroundings and containers.

# Specific hazards arising from the chemical None known.

# Special Protective Actions for Fire-Fighters

Wear full protective clothing and self-contained breathing apparatus.

Concentration

100%



# 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Wear appropriate protective clothing.

#### **Environmental Precautions**

Prevent the material from entering drains or watercourses.

#### Methods and materials for containment and cleaning up

Contain and absorb using earth, sand or other insert material. Transfer into suitable containers for recovery or disposal.

#### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Wear appropriate protective equipment when handling. Do not eat or drink while handling this material.

#### Conditions for safe storage

Store at room temperature away from heat and direct sunlight.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control parameters**

Exposure limits are listed below, if they exist. **Non Hazardous Ingredients** None established.

#### Appropriate engineering controls

No specific measures necessary.

Individual protection measures Respiratory Protection Respiratory protection not normally required.

Skin Protection Gloves Eye/Face Protection Safety glasses Body Protection Normal work wear.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Physical State	Liquid
Color	Colorless
Odor	Buffer B5, Buffer BE: odorless Buffer PB: alcoholic
Odor Threshold	No data available



# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Buffer B5: 7-8

P	Buffer BE:8-9
	Buffer PB: no data available
Density	Buffer B5, Buffer BE: 1.00 g/cm <sup>3</sup>
	Buffer PB: 1.11 g/cm <sup>3</sup>
Boiling Range/Point (°C/F)	No data available
Melting Point (°C/F)	No data available
Flash Point (PMCC) (°C/F)	No data available
Vapor Pressure	No data available
Evaporation Rate (BuAc=1)	No data available
Solubility in Water	No data available
Vapor Density (Air = 1)	No data available
VOC (g/l)	No data available
Partition coefficient (n-	No data available
octanol/water)	
Viscosity	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Upper explosive limit	No data available
Lower explosive limit	No data available
Flammability (solid, gas)	Not applicable

## 10. STABILITY AND REACTIVITY

#### Reactivity

No known reactivity.

### **Chemical Stability**

Stable under normal conditions.

# Possibility of hazardous reactions

Hazardous polymerization will not occur.

# Conditions to Avoid

Heat – high temperatures

#### **Incompatible Materials**

Strong acids – alkalines – oxidizing agents

#### Hazardous Decomposition Products None known

#### 11. TOXICOLOGICAL INFORMATION

#### **Acute Toxicity**

No data available to indicate product is acutely toxic.

# Specific Target Organ Toxicity (STOT) – single exposure

No data available to indicate product or components will cause target organ effects after a single exposure.



# 11. TOXICOLOGICAL INFORMATION

# Specific Target Organ Toxicity (STOT) – repeat exposure

No data available to indicate product or components will cause target organ effects after repeated exposure.

#### Serious Eye damage/Irritation

No data available to indicate product or components may cause eye irritation.

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

No data available to indicate product or components may cause skin irritation.

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

No data available to indicate product or components may cause skin or respiratory sensitization.

#### Carcinogenicity

No data available to indicate product may present a carcinogenic hazard.

#### Germ Cell Mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

#### **Reproductive Toxicity**

No data available to indicate either product or components present at greater than 0.1% may cause reproductive toxicity or birth defects.

#### **Aspiration Hazard**

Not an aspiration hazard.

# 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

No relevant studies identified.

#### Mobility in soil

No relevant studies identified.

## Persistence/Degradability

No relevant studies identified.

## **Bioaccumulative Potential**

No relevant studies identified.

# Other adverse effects

No relevant studies identified.

# 13. DISPOSAL CONSIDERATIONS

#### **Disposal Methods**

Dispose of in accordance with all applicable local and national regulations.



# 14. TRANSPORT INFORMATION

DOT CFR 172.101 Data	Not Regulated
UN Proper Shipping Name	Not Regulated
UN Class	None.
UN Number	None.
UN Packaging Group	None.
Classification for AIR	Consult current IATA Regulations prior to shipping by air.
Transportation (IATA) Environmental Hazards	Not a marine pollutant

#### 15. **REGULATORY INFORMATION**

#### United States TSCA Inventory

Components of this product have not been verified for the inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

#### Canada DSL Inventory

Components of this product have not been verified for inclusion on the Domestic Substance List (DSL).

#### WHMIS Classification

### None

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

# SARA Title III Sect. 311/312 Categorization

None

#### 16. OTHER INFORMATION

#### **NFPA Ratings**

NFPA Code for Flammability - 0 NFPA Code for Health - 0 NFPA Code for Reactivity - 0 NFPA Code for Special Hazards – None

#### **HMIS Ratings**

HMIS Code for Flammability - 0 HMIS Code for Health - 0 HMIS Code for Physical Hazard - 0 HMIS Code for Personal Protection - See Section 8 \*Chronic

#### Legend

ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service ECHA: European Chemicals Agency IARC: International Agency for Research on Cancer N/A: Denotes no applicable information found or available NTP: National Toxicology Program OSHA: Occupational Safety and Health Administration



# 16. OTHER INFORMATION

PEL: Permissible Exposure Limit SDS: Safety Data Sheet STEL: Short Term Exposure Limit TLV: Threshold Limit Value

#### Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

#### Prepared By:

EnviroNet LLC.

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