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**1. IDENTIFICATION**

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<b>Product Name</b>	Reverse Crosslinking Buffer
<b>Product Numbers</b>	190708
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Identified uses</b>	For research and development
<b>Restrictions on use</b>	For laboratory use
<b>Company Identification</b>	Covaris, Inc. 14 Gill Street, Unit H Woburn, MA 01801
<b>Customer Information Number</b>	(781) 932-3959
<b>Emergency Telephone Number</b>	
<b>CHEMTREC Number</b>	(800) 424-9300
<b>Issue Date</b>	July 2, 2020
<b>Supersedes Date</b>	This is the first issue.

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

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**2. HAZARD IDENTIFICATION**

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**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

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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This product is a mixture.

This product contains no substances which, at their given concentration, are considered to be hazardous to health.

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**4. FIRST- AID MEASURES**

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**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**

Remove from exposure. If there is difficulty in breathing, give oxygen. Obtain medical attention if symptoms persist.

**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.

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**5. FIRE - FIGHTING MEASURES**

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**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.

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**6. ACCIDENTAL RELEASE MEASURES**

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**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**

Wipe up and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

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**7. HANDLING AND STORAGE**

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**Precautions for safe handling**

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

**Conditions for safe storage**

Store between 2° and 8°C to maintain product integrity. Storage area should be: cool - dry - well ventilated - out of direct sunlight - away from incompatible materials (see Section 10)

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Exposure limits are listed below, if they exist.

**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**

Lab coat

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

	<b>Physical State</b>	Liquid
	<b>Color</b>	Clear
<b>Odor</b>		None
<b>Odor Threshold</b>		No data available
<b>pH</b>		8.0
<b>Specific Gravity</b>		No data available
<b>Boiling Range/Point (°C/F)</b>		No data available
<b>Melting Point (°C/F)</b>		No data available
<b>Flash Point (PMCC) (°C/F)</b>		Not flammable
<b>Vapor Pressure</b>		No data available
<b>Evaporation Rate (BuAc=1)</b>		No data available
<b>Solubility in Water</b>		Complete
<b>Vapor Density (Air = 1)</b>		No data available
<b>VOC (g/l)</b>		No data available
<b>Partition coefficient (n-octanol/water)</b>		No data available
<b>Viscosity</b>		No data available
<b>Auto-ignition Temperature</b>		No data available
<b>Decomposition Temperature</b>		No data available
<b>Upper explosive limit</b>		No data available
<b>Lower explosive limit</b>		No data available
<b>Flammability (solid, gas)</b>		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.

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**10. STABILITY AND REACTIVITY**

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**Conditions to Avoid**

Heat – high temperatures – exposure to moisture

**Incompatible Materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

Oxides of carbon - nitrogen oxides - hydrogen chloride gas

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**11. TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Available data indicates this product is not expected to be acutely toxic.

**Specific Target Organ Toxicity (STOT) – single exposure**

Available data indicates this product is not expected to cause target organ effects after a single exposure.

**Specific Target Organ Toxicity (STOT) – repeat exposure**

Available data indicates this product is not expected to cause target organ effects after repeated exposure.

**Serious Eye damage/Irritation**

Available data indicates this product is not expected to cause eye irritation.

**Skin Corrosion/Irritation**

Available data indicates this product is not expected to cause skin irritation.

**Respiratory or Skin Sensitization**

Available data indicates this product is not expected to cause skin sensitization.

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Germ Cell Mutagenicity**

Available data indicates this product is not expected to be mutagenic.

**Reproductive Toxicity**

Available data indicates this product is not expected to cause reproductive toxicity or birth defects.

**Aspiration Hazard**

Available data indicates this product is not expected to be an aspiration hazard.

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

No relevant studies identified.

**Mobility in soil**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

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**12. ECOLOGICAL INFORMATION**

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**Bioaccumulative Potential**

No relevant studies identified.

**Other adverse effects**

No relevant studies identified.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal Methods**

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

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**14. TRANSPORT INFORMATION**

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

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**15. REGULATORY INFORMATION**

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**United States TSCA Inventory**

All components of this product have been verified for the inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**Canada DSL Inventory**

All components of this product have been verified for inclusion on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**SARA Title III Sect. 311/312 Categorization**

None

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**16. OTHER INFORMATION**

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**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service

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

PEL: Permissible Exposure Limit

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

Revision Date: July 2, 2020

Replaces: This is the first issue.

Changes made: Not applicable

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**16. OTHER INFORMATION**

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**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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