1. IDENTIFICATION

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

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

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.

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
Wipe up and absorb using earth, sand or other inert 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 between 2°C 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

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical State</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
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<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
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<td></td>
</tr>
<tr>
<td>pH</td>
<td>8.0</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
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<td></td>
</tr>
<tr>
<td>Boiling Range/Point (°C/F)</td>
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<td></td>
</tr>
<tr>
<td>Melting Point (°C/F)</td>
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<td></td>
</tr>
<tr>
<td>Flash Point (PMCC) (°C/F)</td>
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<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
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<td></td>
</tr>
<tr>
<td>Evaporation Rate (BuAc=1)</td>
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<td></td>
</tr>
<tr>
<td>Solubility in Water</td>
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</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
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</tr>
<tr>
<td>VOC (g/l)</td>
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</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
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<td></td>
</tr>
<tr>
<td>Viscosity</td>
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<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
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</tr>
<tr>
<td>Decomposition Temperature</td>
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<td></td>
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<tr>
<td>Upper explosive limit</td>
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<td></td>
</tr>
<tr>
<td>Lower explosive limit</td>
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<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
No known reactivity.

Chemical Stability
Stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization will not occur.
10. STABILITY AND REACTIVITY

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

11. TOXICOGICAL INFORMATION

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.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No relevant studies identified.

Mobility in soil
No relevant studies identified.

Persistence/Degradability
No relevant studies identified.
12. ECOLOGICAL INFORMATION

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
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

16. OTHER INFORMATION

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
16. OTHER INFORMATION

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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