Product Code	Description
C1COV00000	SaliVIR Bead Xtract Viral RNA/DNA kit: 1000 reactions
C1COV00100	SaliVIR Bead Xtract Viral RNA/DNA kit: 10000 reactions

The products listed contain the following reagents:

Reagent	Volume (1,000 Reactions)	Volume (10,000 Reactions)	Storage
SaliVIR Lysis Buffer	1 x 100ml	4 x 250ml	RT
SaliVIR Target Pure Beads	1 x 40ml	2 x 200ml	4°C

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Trade name: SaliVIR Lysis Buffer

1.2 Recommended use and restrictions on use:

Application: Scientific research and development only.
Uses advised against: No specific uses advised against are identified.

1.3 Details of the supplier of the safety data sheet:

Chronomics Ltd
1 St James Court
Norwich
NR3 1RU
United Kingdom (UK)
Registered No: 11120038

tom@chronomics.com

daniel@chronomics.com

1.4 Emergency telephone numbers:

Thomas M. Stubbs	+44(0)7988864413
Daniel E. Martin Herranz	+44(0)7542347407

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Skin irritation H315
Serious eye damage H319

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictogram: None

Signal word: None

Hazard statements:
H315 Causes skin irritation
H319 Causes serious eye damage

Precautionary statements: This product should be handled only by those persons who have been trained in laboratory techniques and that it is used in accordance with the principles of good laboratory practice

Supplemental Hazard Statements: None

2.3 Other hazards

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

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3 Composition/information on ingredients

3.1 Substances

SaliVIR Lysis Buffer

3.2 Mixtures

Description: Proprietary mixture

Hazardous ingredients: Contains substances that are harmful if swallowed, harmful to eyes, respiratory system and skin.

---

4 First Aid Measures

4.1 Description of first aid measures

General information: Always handle following good laboratory practice. Wear protective gloves. In the event of exposure, consult a medical physician and show them this data sheet. When used as intended and following good laboratory practices, exposures are unlikely to occur.

Following inhalation: If inhaled, move person to fresh air. Give artificial respiration if breathing stops. Consult a physician.

Following skin contact: Wash with plenty of soap and water. If symptoms develop, seek medical advice.

Following eye contact: Rinse opened eye for 15 minutes under running water. If wearing contact lenses, remove lenses and continue rinsing. Seek medical advice if irritation occurs/persists.

Following ingestion: Never attempt to give anything by mouth to an unconscious person. If conscious, rinse mouth thoroughly with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms/known effects are described in the labelling (Section 2.2). Treat symptomatically; symptoms may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

No data available. None expected under anticipated conditions of normal use and when handled following good laboratory practices whilst wearing gloves.

---

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:
Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2 Special hazard arising from the substance or mixture

Nature of decomposition not known

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhalation/breathing vapours, mist or gas. Ensure adequate ventilation. Avoid contact with skin and eyes.

See protective measures under Section 7 and 8.

6.2 Environmental precautions

Do not let product enter drains. Discharge into the environment must be avoided. Notify authorities if large amounts of the product enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Small scale spill: Use inert absorbent material to soak up spill. Clean contaminated areas/equipment with plenty of water. Collect contaminated materials in closed containers for disposal in accordance with local regulations.

Large scale spill: Use sand/vermiculite/spill booms to bind liquid. Use further inert absorbent material to soak up liquid. Prevent large spill liquids from entering drains. Collect contaminated materials in closed containers for disposal in accordance with local regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

---

7 Handling and storage

7.1 Precautions for safe handling

Also see section 2.2

Handle in accordance with good chemical hygiene and laboratory safe practices. Avoid contact with eyes, skin and clothing. Avoid inhalation and ingestion.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature.

7.3 Specific end use(s)

Scientific research and development only. No other specific uses stipulated.

---

8 Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Avoid unnecessary exposure. The type of protective equipment must be selected according to the amount of substance in specific local workplaces.

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed. Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Wash and dry hands after use.

Appropriate engineering controls:
Adequate ventilation, washing facilities available.

Eye/Skin controls: Wear protective gloves and eye protection when handling this product. Wear appropriate laboratory compliant attire, such as lab coat. Inspect gloves before use. Change gloves if they become contaminated. When removing gloves, avoid touching the glove outer surface to avoid skin contact with the product.

The selected protective gloves must satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril ® (KCL 740 / Aldrich Z677272, Size M)

Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril ® (KCL 740 / Aldrich Z677272, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300 Test method: EN374 If used in solution, or mixed with other substances and under conditions which differ from EN374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It would not be construed as offering an approval for any specific use scenario.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplier air respirator. Use respirators and components tested and approved under appropriate government standards sus as NIOSH (US) or CEN (EU)

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Colour:	Clear/Colourless
Physical state:	Semi-viscous
Odour:	Odourless
Odour threshold:	Undetermined
pH value:	Undetermined
Melting point/melting range:	Undetermined
Boiling point/boiling range:	Undetermined
Flash point:	Undetermined
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	Undetermined
Decomposition temperature:	Undetermined
Danger of explosion:	Undetermined
Explosion limits:	
Lower:	Undetermined
Upper:	Undetermined
Vapor pressure:	Undetermined
Density:	Undetermined
Relative density:	Undetermined
Vapour density:	Undetermined
Evaporation rate:	Undetermined
Solubility in:	
Water:	Undetermined
Partition coefficient (n-octanol/water):	Undetermined
Viscosity:	Undetermined
Oxidising properties:	Undetermined

Other information: No further information available

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10 Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity: No data available
Primary irritant effect:
on the skin: No data available, may cause irritation
on the eye: No data available, may cause irritation
Sensitization: No data available
Germ Cell Mutagenicity: No data available
Carcinogenicity: No data available
Reproductive Toxicity: No data available
Specific Target Organ Toxicity: No data available
Aspiration Toxicity: No data available
Additional Information: None

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12 Ecological information

Toxicity: No data available
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Results of PBT & vPvB assessment:
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects: No additional information available.

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13 Disposal considerations

Waste treatment methods: Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be disposed of as unused product.

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14 Transport information

Transportation of this product is not regulated as dangerous goods under IMDG, ICAO/IATA-DGR, ADNR, ADR/RID.

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15 Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment carried out?

A chemical safety assessment is not required for this product when it is used for the specified applications as instructed.

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16 Other Information

Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

1 Identification of the substance/mixture and of the company undertaking

1.1 Product Identifier:

Trade name: SaliVIR Target Pure Beads

1.2 Recommended use and restrictions on use:

Application: For research and development purposes only.
Uses advised against: No specific uses advised against are identified.

1.3 Details of the supplier of the safety data sheet:

Chronomics Ltd
1 St James Court
Norwich
NR3 1RU
United Kingdom (UK)
Registered No: 11120038

tom@chronomics.com

daniel@chronomics.com

1.4 Emergency telephone numbers:

Thomas M. Stubbs	+44(0)7988864413
Daniel E. Martin Herranz	+44(0)7542347407

2 Hazards identification

No known OSHA hazards
Not a dangerous substance according to GHS

Hazard pictograms: None

Risk statements: None

Hazard statements: Not a hazardous substance or mixture

Precautionary statements: None

Other hazards: This product contains concentrations of sodium azide below the hazardous cut-off level at which with repeated contact with lead and copper commonly found in plumbing drains may result in build up of sensitive explosive compounds with heavy metals.

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3 Composition/information on ingredients

3.1 Substances

Trade name: SaliVIR Target Pure Beads

3.2 Mixtures

Description: Mixture of non-hazardous substances.
Ingredients:

CAS 26628-22-8 Sodium azide 0.05%

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4 First Aid Measures

4.1 Description of first aid measures

General information: No special measures required providing good laboratory practice is followed. Wear protective gloves.

Following skin contact: Wash with plenty of soap and water.

Following eye contact: Rinse opened eye for several minutes under running water. If wearing contact lenses, remove lenses and continue rinsing. Seek medical advice if irritation occurs/persists.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically; symptoms may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

None expected when handled following good laboratory practice and gloves. See section 4.1 for further information

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5 Firefighting measures

Not flammable or combustible

5.1 Extinguishing media

Suitable extinguishing agents:
Not applicable

5.2 Special hazard arising from the substance or mixture

No special hazards

5.3 Advice for fire-fighters

Not applicable

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation. Avoid contact with skin and eyes.

See protective measures under Section 7 and 8.

6.2 Environmental precautions

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up

Use inert absorbent material to soak up spill.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

---

7 Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good chemical hygiene and laboratory safe practices. Avoid contact with eyes, skin and clothing. Avoid inhalation. Protect from moisture.

7.2 Conditions for safe storage, including any incompatibilities

Keep container closed in a dry, cool environment at 2-8°C. No known incompatible products.

7.3 Specific end use(s)

Health care and research: Use in accordance with good manufacturing and industrial hygiene practices.

8 Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Personal protective equipment

Eye/Skin controls: Wear protective gloves and eye protection when handling this product. Wear appropriate laboratory compliant attire, such as lab coat.

General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed. Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Wear gloves and wash and dry hands after use.

Appropriate engineering controls
Adequate ventilation and eye washing stations are required

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Form:	Liquid, with precipitate particles
Colour:	Brown
Odour:	Undetermined
Odour threshold:	Undetermined
pH value:	Undetermined
Melting point/melting range:	Undetermined
Boiling point/boiling range:	Undetermined

Flash point:	Undetermined
Flammability (solid, gaseous):	Not applicable
Ignition temperature:	Undetermined
Decomposition temperature:	Undetermined
Danger of explosion:	Undetermined
Explosion limits:	
Lower:	Undetermined
Upper:	Undetermined
Vapor pressure:	Undetermined
Density:	Undetermined
Relative density:	Undetermined
Vapour density:	Undetermined
Evaporation rate:	Undetermined
Solubility in:	
Water:	Undetermined
Partition coefficient (n-octanol/water):	Undetermined
Viscosity:	Undetermined

Other information: No further information available

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10 Stability and reactivity

10.1 Reactivity

No dangerous reactions known under conditions of normal use and following good laboratory practices.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available under normal conditions of use.

10.5 Incompatible materials

No known incompatible materials.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

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11 Toxicological Information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute toxicity: No data available

Primary irritant effect:

on the skin: No data available, may cause irritation

on the eye: No data available, may cause irritation

Sensitization: No data available

Germ Cell Mutagenicity: No data available

Carcinogenicity:

IARC:	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.
NTP:	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
OSHA:	No component of this product that is present at 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive Toxicity: No data available

Teratogenicity: No data available

Specific Target Organ Toxicity: No data available for repeated or single exposure

Aspiration Hazard: No data available

Signs and Symptoms of Exposure: No data available

Synergistic Effects: No data available

Additional Information: None

12 Ecological information

Toxicity: No known significant effects or critical hazards
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Results of PBT & vPvB assessment: No data available
Other adverse effects: This product contains an environmentally hazardous substance below threshold levels. Refer to Section 3 for ingredient information.

13 Disposal considerations

Waste treatment methods: Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76). To avoid possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

14 Transport information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, IATA, European ADR or Canadian TDG.

15 Regulatory information

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

US Federal and State Regulations
SARA 313: Sodium Azide is subject to reporting requirements of Section 313, Title III of SARA. 1.0 % de minimis concentration. Sodium azide content within this product is <0.05%.

EU Regulations
This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.
Water Hazard Class (Germany):
WGK 1, low water endangering
REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization:

No ingredients listed.

According to EC Directives (1999/45/EC and 67/548 EEC):

Not classified as dangerous per EC Directives (1999/45/EC and 67/548 EEC)

Canada

This product does not meet WHMIS criteria for hazardous materials.

PIN:	Not applicable
Ingredients on Ingredient Disclosure List:	Sodium Azide
Ingredients with unknown toxicological properties:	None

Chemical Safety Assessment carried out? No

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16 Other Information

Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.