

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name RNAscope™ PretreatPro™
Product No 323434

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

Identified uses For Research Use Only. Not for use in diagnostic procedures.

1.3 Details of the supplier of the safety data sheet

Company Advanced Cell Diagnostics Telephone +1 510-576-8800
7707 Gateway Blvd. Fax: +1 510-576-8798
Newark, CA 94560 Internet: www.acdbio.com
Email address: info.acd@bio-techne.com

1.4 Emergency Telephone Number

Emergency Tel: For chemical emergency, spill, leak, fire, exposure, or accident call CHEMTREC day or night:
Within U.S. +1-800-424-9300 Worldwide +1 703-527-3887
Bio-Techne Tel: US: +1 612-379-2956 or +1 800-343-7475 / Europe: +44 (0)1235-529449 / China +86 400-821-3475

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with (EC) No 1272/2008 [GHS/CLP], (EU) 878/2020, 29 CFR 1910.1200 [OSHA]
This substance does not meet the criteria for classification in accordance with Regulation No 1272/ 2008/EC.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 [GHS/CLP]

Signal Word: Not required

Statement(s): Not Classified as a hazardous substance.

Hazard Statement(s) None

Precautionary Statement(s): None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

| Chemical Name | CAS# | Concentration (w/w) |
|-------------------------|-----------|---------------------|
| Lithium dodecyl sulfate | 2044-56-6 | <0.5% |
| EDTA | 60-00-4 | <0.5% |

SECTION 4: FIRST AID AND MEASURES

4.1 Description of first aid measures

General Information

Consult a doctor and show this safety data sheet.

If Inhaled

Remove to fresh air.

In Case of Skin Contact

Adverse effects not expected from this product.

In Case of Eye Contact

Adverse effects not expected from this product.

If Swallowed

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Adverse effects not expected from this product.

4.2 Most important symptoms and effects, both acute and delayed.

Inhalation

Not expected to present a significant hazard under anticipated conditions of normal use

Skin

Adverse effects not expected from this product.

Eyes

Adverse effects not expected from this product.

Ingestion

Adverse effects not expected from this product.

4.3 Indication of immediate medical attention and special treatment needed.

Adverse effects not expected from this product.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for fire fighters

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2 Environmental Precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For required PPE see section 8. For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

No special handling procedures are required.

7.2 Conditions for safe storage, including any incompatibilities.

Store in cool, well-ventilated area. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage. Keep away from heat, sparks, flames, and other sources of ignition.

7.3 Specific end user(s)

Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Human health values

Not reportable

Environmental values

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Not reportable

8.2 Exposure controls

Protective equipment



Engineering measures

Ensure the laboratory is equipped with a safety shower and eye wash station. Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling product.

Eye/Face Protection

Use appropriate safety glasses.

Hand Protection

Use appropriate chemical resistant gloves. Wash and dry hands thoroughly after handling.

Body Protection

Lab Coat

Respiratory Protection

Not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | | | |
|--|--------------------|---------------------------|-------------------|
| Appearance | Clear liquid | Vapor Pressure | No data available |
| Odor | No data available | Vapor Density | No data available |
| Odor Threshold | No data available. | Relative Density | No data available |
| pH | No data available | Solubility | No data available |
| Melting / Freezing Point | No data available | Partition Coefficient | No data available |
| Boiling Point / Range | No data available | Autoignition Temperature | No data available |
| Flash Point | No data available | Decomposition Temperature | No data available |
| Evaporation Rate | No data available | Viscosity | No data available |
| Flammability (Solid, Gas) | No data available | Explosive Properties | No data available |
| Upper/Lower Flammability or Explosive Limits | No data available | Oxidizing Properties | No data available |

9.2 Other information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

None.

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

Acute Toxicity

Classified based on available data.

Skin Corrosion/Irritation

Adverse effects not expected from this product.

Serious Eye Damage/Irritation

Adverse effects not expected from this product.

Respiratory or Skin Sensitization

Adverse effects not expected from this product.

Germ Cell Mutagenicity

Classified based on available data.

Carcinogenicity

Classified based on available data.

Reproductive Toxicity

Classified based on available data.

Specific Target Organ Toxicity – Single Exposure

Classified based on available data.

Specific Target Organ Toxicity – Repeated Exposure

Classified based on available data.

Aspiration Hazard

Classified based on available data.

Symptoms/Routes of Exposure

Inhalation: Adverse effects not expected from this product.

Ingestion: Adverse effects not expected from this product.

Skin: Adverse effects not expected from this product.

Eye: Adverse effects not expected from this product.

Delayed/Immediate Effects

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

Classified based on available data.

SECTION 12: ECOLOGICAL INFORMATION

12.1 **Toxicity**

Aquatic toxicity (acute)

Not hazardous for the environment.

Aquatic toxicity (chronic).

Not hazardous for the environment.

12.2 **Persistence and degradability**

No data available

12.3 **Bio accumulative potential**

No data available

12.4 **Mobility in soil**

No data available

12.5 **Results of PBT and vPvB assessment**

No data available

12.6 **Endocrine disrupting properties**

No data available

12.7 **Other adverse effects**

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 **Waste treatment methods**

Dispose of in accordance with national, regional, or local legislation.

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Contaminated Packaging

Dispose of in accordance with national, regional, or local legislation.

SECTION 14: TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA

14.1 UN Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for user

Does not meet the criteria for classification as hazardous for transport.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Environmental Listing

SARA 313: Not applicable

SARA 311/312: Not applicable

CERCLA Reportable Quantity: Not applicable.

China, X = listed, Australia, U.S.A. (TSCA), Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (KECL), China (IECSC), Japan (ENCS), Philippines (PICCS), Taiwan (TCSI), Japan (ISHL), New Zealand (NZIoC), Japan (ISHL). US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710) – Not applicable

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been made for this product.

SECTION 16: OTHER INFORMATION

Further Information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet