

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

#### 1.1 Product Identifier

Product Name RNAscope™ 2.5 LS PretreatPro™  
Product No 322016

#### 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 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

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Adverse effects not expected from this product.

## **In Case of Eye Contact**

Adverse effects not expected from this product.

## **If Swallowed**

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.

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## **SECTION 5: FIRE FIGHTING MEASURES**

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### **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.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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### **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. Chemizorb®). Dispose of properly. Clean up affected area.

### **6.4 Reference to other sections**

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

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## **SECTION 7: HANDLING AND STORAGE**

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### **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

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

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- 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.
- 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/NDSL), 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.

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**SECTION 16: OTHER INFORMATION**

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**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