



# SAFETY DATA SHEET

## RNAscope® Green-B

According to Regulation (EC) No 1907/2006

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

#### 1.1 Product Identifier

Product Name RNAscope® Green-B  
Product No 320719

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

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

#### 1.3 Details of the supplier of the safety data sheet

Supplier Advanced Cell Diagnostics  
7707 Gateway Blvd.  
Newark, CA 94560  
Tel: (510) 576-8800

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical	Acute Tox. 3, Acute Tox. 3, Acute Tox 3
Human health	Skin Corr. 1B Skin Sens. 1 H314, H317
Environment	Aquatic Acute 1, Aquatic Chronic 1

Classification (1999/45/EEC) Not classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2 Label elements

Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H isothiazol-3-one [EC no. 220-239-6] (3:1)

Label In Accordance with (EC) No. 1272/2008



Signal word Warning

Hazard statements

H317

May cause allergic skin reaction

Precautionary Statements

P261

Avoid breathing dust/fume/gas/mist/vapours/spray

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352

IF ON SKIN: Wash with plenty of soap and water.

P333 + P313

If skin irritation or rash occurs, get medical advice/attention.

P363

Wash contaminated clothing before reuse.

#### 2.3 Other Hazards

No risks worthy of mention.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2 Mixtures**

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)		< 20 %
CAS-No: 55965-84-9	EC No.: 613-167-00-5	
Classification (EC 1272/2008)		Classification (67/548/EEC)
Acute Tox. 3	H331	T-Toxic R23/24/25-34-43-50-53
Acute Tox. 3	H311	C-Corrosive
Acute Tox. 3	H301	N-Dangerous for the environment
Skin Corr. 1B	H314	
Skin Sens. 1	H317	
Aquatic Acute 1	H400	
Aquatic Chronic 1	H410	

The full test for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: FIRST AID AND MEASURES**

**General information**

Remove contaminated clothing immediately and dispose of safely. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!

**4.1 Description of first aid measures**

**Inhalation**

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

**Ingestion**

Rinse mouth immediately and drink plenty of water.

**Skin Contact**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call physician immediately.

**Eye Contact**

Rinse immediately with plenty of water and seek medical attention.

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

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

**4.3 Indication of any immediate medical attention and special treatment needed.**

No special measures are necessary.

**SECTION 5: FIRE FIGHTING MEASURES**

**5.1 Extinguishing Media**

**Suitable Extinguishing Media**

Extinguishing materials should be selected according to the surrounding area.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

The product itself does not burn.

**5.3 Advice for fire fighters**

**Special Fire Fighting Procedures**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protective suit.

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

**6.2 Environmental Precautions**

Do not allow to enter into surface water or drains.

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

**6.4 Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Avoid contact with skin, eyes and clothes. Handle and open container with care.

**Precautions for protection against fire and explosion**

Keep away from sources of ignition. No smoking. Take measures against static discharge. Vapours may form explosive mixtures with air.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only

Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place.

**Storage compatibility**

Do not store together with: material, rich in oxygen, oxidizing. Keep only in the original container in a cool well-ventilated place.

Store tightly closed, in the original vessel at temperatures between 2 – 8 °C.

**7.3 Specific end user(s)**

This product is intended for professional use.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters**

**Exposure limits (EH40)**

Name	STD	TWA 8 Hrs	STEL – 15 min	Notes
Glycerol, mist		10 mg/mL <sup>3</sup>		WEL

WEL = Workplace Exposure Limits

**8.2 Exposure controls**

Protective equipment



**Respiratory Equipment**

Provide fresh air.

**Hand Protection**

Wear suitable gloves.

**Eye Protection**

Tightly sealed safety glasses

**Other Protection**

Wear suitable protective clothing..

**Hygiene measures**

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using, do not eat or drink.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Colourless
Odour	Odourless

**9.2 Other information**

Not determined

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

Product has not been tested.

**10.2 Chemical stability**

If stored correctly, the product is stable at least until the expiry date printed on the label.

**10.3 Possibility of hazardous reactions**

Product has not been tested.

**10.4 Conditions to avoid**

Non-normal temperature conditions

10.5 **Incompatible Materials**

Product has not been tested.

10.6 **Hazardous decomposition products**

Product was not tested.

**SECTION 11: TOXICOLOGICAL INFORMATION**

11.1 **Information on toxicological effects**

Acute toxicity

Toxic. Acute toxicity, oral. Acute toxicity, inhalant. Acute toxicity dermal. Danger of very serious irreversible effects.

Chemical Name				
Exposure routes	Method	Dose	Species	Source
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)				
oral	LD50	862 mg/kg	Rat	
dermal	LD50	2800 mg/kg	Rabbit	
inhalative (4 h) vapour	ATE	3 mg/L		
inhalative aerosol	ATE	0.5 mg/L		

**Additional information on tests**

May cause sensitization by skin contact

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC)

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

There are no data on the ecotoxicity of this product.

12.1 **Toxicity**

No information available

12.2 **Persistence and degradability**

**Degradability**

No data available

12.3 **Bioaccumulative potential**

**Bioaccumulative potential**

No data available

12.4 **Mobility in soil**

**Mobility**

No data available

**Surface Tension**

No data available

12.5 **Results of PBT and vPvB assessment**

Not applicable

12.6 **Other adverse effects**

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC)

**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1 **Waste treatment methods**

Disposal should be in accordance with applicable national, state and local regulations. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: TRANSPORT INFORMATION**

14.1 **UN Number**

Not applicable

14.2 **UN proper shipping name**

Not applicable

14.3 **Transport hazard class(es)**

Not applicable

14.4 **Environmental hazards**

**Environmentally Hazardous Substance/Marine Pollutant**

Dangerous for the environment

14.6 **Special precautions for user**

No dangerous good in sense of these transport regulations.

14.7 **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No dangerous good in sense of these transport regulations

## RNAscope® Green-B

### SECTION 15: REGULATORY INFORMATION

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

##### Environmental Listing

National regulatory information

Water contaminating class (D): 3-highly water contaminating

### SECTION 16: OTHER INFORMATION

SDS No.	Version 01
Date	June 2015
Risk Phrases in Full	
R23/24/25	Toxic by inhalation, in contact with skin and swallowed
R34-43	Causes skin irritation and sensitivity
R 50-53	Very toxic to aquatic life with long lasting effects.
Hazard Statements in Full	
H331	Toxic if inhaled
H317	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H311	Toxic in contact with skin
H301	Toxic if swallowed
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting affects

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.