



SAFETY DATA SHEET

RNAscope® DAPI

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® DAPI
Product No 320858

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	Not classified
Human health	Mutagenicity category 1
Environment	Not classified

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 Fast Red KL Salt
Hydrochloric acid....%

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



Signal word

Danger

Hazard statements H340

May cause genetic defects

Precautionary Statements P281

Use personal protective equipment as required

P308+P313

If exposed or concerned: Get medical advice/attention

Supplemental label information RCH002

Restricted to professional users

2.3 Other Hazards

Not classified as PBT/vPvB by current EU criteria.

Potential Health Effects

Eyes

May cause eye irritation with susceptible persons

Skin

May cause skin irritation in susceptible persons

Inhalation

May be harmful by inhalation

Ingestion

May be harmful if swallowed

Specific effects

Carcinogenic effects

None

Mutagenic effects

Mutagenic category 1 substances known to be mutagenic to man

Reproductive toxicity

None

Sensitization

None

Target Organ effects

No known effects under normal use conditions

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

4",6-diamidino-2-phenylindole dilactate (DAPI, dilactate)	<0.1%
CAS-No: 28718-91-4	EC No.: None

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

SECTION 4: FIRST AID AND MEASURES

4.1 Description of first aid measures

Inhalation

Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Ingestion

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Skin Contact

Rinse cautiously with water for several minutes. If symptoms occurs, obtain medical advice.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist call a physician.

4.2 Most important symptoms and effects, both acute and delayed

General information

Avoid further exposure to product. Consult a physician.

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

Treat Symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing Media

Water spray, carbon dioxide, foam, dry chemical.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Avoid inhalation of fumes, which may be toxic or irritating.

5.3 Advice for fire fighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire fighters

Wear self-contained breathing apparatus and protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

See section 12 for more information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Always wear recommended personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place.

7.3 Specific end user(s)

The identified uses for this product are detailed in Section 1.2.

RNAscope® DAPI

12.3 Bioaccumulative potential

Bioaccumulative potential
Does not bioaccumulate

12.4 Mobility in soil

Mobility
No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

General Information

Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

13.1 Waste treatment methods

Disposal should be in accordance with applicable national, state and local regulations. Local regulations may be more stringent than national or state requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional waste disposal service for appropriate methods of disposal.

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

No

14.6 Special precautions for user

Not applicable

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

Not applicable

SECTION 15: REGULATORY INFORMATION

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

Environmental Listing

Rivers (Prevention of Pollution) Act of 1961. Control of Pollution (Special Waste Regulations) Act of 1980.

Approved Code of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments

SARA 302 Components

No chemicals in this product are subject to reporting requirements

SARA 313 Components

Hydrochloric acid, CAS 7647-01-0

RNAscope® DAPI

SARA 311/312 Hazards

Acute Health Hazard (Hydrochloric Acid)

California Prop 65 components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Hazard Statements in Full

H340 May cause genetic defects

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.