

**Product Application: laboratory chemicals, research use only (RUO)**

## Material Safety Data Sheet

Prepared according to EC Directive 91/155 EC Date: 01/08/10

PRODUCT NAME	CATALOGUE NUMBERS	COMPONENTS
SecurRIN™ Advanced RNase Inhibitor, 40 u/μl	RNI030S RNI0301 RNI0305	1. SecurRIN™ Advanced RNase Inhibitor, 40 u/μl

### I. COMPANY MANUFACTURER/SUPPLIER AND CONTACT IN CASE OF EMERGENCY

highQu GmbH  
Nelkenstrasse 5  
76703 Kraichtal  
Germany  
T: +49 7250 33 13 401  
F: +49 7250 33 11 413  
[info@highQu.com](mailto:info@highQu.com)  
[www.highQu.com](http://www.highQu.com)

**Call 24 hours: Emergency 112 || Detoxification +49 (0)30 30686 700**

### II. HAZARDS IDENTIFICATION

**Component: 1. SecurRIN™ Advanced RNase Inhibitor, 40 u/μl****Classification according to Regulation (EC) No 1272/2008:** The product is not classified according to the CLP regulation.**Classification according to Directive 67/548/EEC or Directive 1999/45/EC:** Void**Information concerning particular hazards for human and environment:** The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.**Classification system:** The classification was made according to the latest editions of the EU lists, and expanded upon from company and literature data.**Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).**Safety phrases:** 35 This material and its container must be disposed of in a safe way.**Other hazards:** Results of PBT and vPvB assessment**PBT:** Not applicable. **vPvB:** Not applicable.

### III. COMPOSITION/INGREDIENT INFORMATION

**Chemical characterization:** Mixtures**Description:** Mixture of the substances listed below with nonhazardous additions.**Dangerous components:**

- CAS: 56-81-5, EINECS: 200-289-5 glycerol 10-50%, Regulation (EC) No1272/2008 (CLP) Eye Irrit. 2, H319

**Additional information:** Components not listed here are not hazardous or their concentrations do not exceed the limits specified in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### IV. FIRST AID MEASURES

**General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** Induce vomiting and call for medical help.**Information for doctor, most important symptoms and effects, both acute and delayed:** No further relevant information available.**Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

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See Section VII for information on safe handling.

See Section VIII for information on personal protection equipment.

See Section XIII for disposal information.

**VII. HANDLING/STORAGE****Precautions for safe handling:** No special measures required.**Information about protection against explosions and fires:** No special measures required.**Conditions for safe storage, including any incompatibilities:** No special conditions.**Storage requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**Specific end use(s):** No further relevant information available**VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Additional information about design of technical systems:** No further data.**Control parameters:****Components with limit values that require monitoring at the workplace:** 56-81-5 glycerol: WEL () Long-term value: 10 mg/m<sup>3</sup>**Additional information:** The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment****General protective and hygienic measures:** The usual precautionary measures should be adhered to when handling chemicals.**Breathing equipment:** Not required.**Protection of hands:** Protective gloves.

Material of gloves: Synthetic gloves.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

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**Form:** Solution  
**Colour:** Colourless  
**Odour:** Odourless. **Odour threshold:** Not determined.  
**pH-value:** Not determined.  
**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** 100°C  
**Flash point:** Not applicable.  
**Flammability (solid, gaseous):** Not applicable.  
**Ignition temperature:** Not determined.  
**Decomposition temperature:** Not determined.  
**Self-igniting:** Product is not self igniting.  
**Danger of explosion:** Product does not present an explosion hazard.  
**Explosion limits:** Not determined  
**Vapour pressure at 20°C:** 23 hPa  
**Density:** Not determined  
**Relative density:** Not determined.  
**Vapour density:** Not determined.  
**Evaporation rate:** Not determined.  
**Solubility in / Miscibility with Water:** Fully miscible  
**Segregation coefficient (n-octanol/water):** Not determined.  
**Viscosity dynamic:** Not determined.  
**Kinematic:** Not determined.  
**Solvent content:** Water  
**Other information:** No further relevant information available.

**X. STABILITY AND REACTIVITY**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.  
**Possibility of hazardous reactions:** No dangerous reactions known.  
**Conditions to avoid:** No further relevant information available.  
**Incompatible materials:** No further relevant information available.  
**Hazardous decomposition products:** No dangerous decomposition products known

**XI. TOXICOLOGICAL INFORMATION**

**Acute toxicity: LD/LC50 values that are relevant for classification:** No special data available.  
**Primary irritant effect:**  
**On the skin:** No effects known.  
**On the eye:** No effects known.  
**Sensitization:** No effects known.  
**Potential health effects**  
**Inhalation:** No effects known.  
**Ingestion:** No effects known.  
**Additional toxicological information:** The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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MSDS has been prepared in accordance with EC Directive 91/155 EC Date: 01/08/10. We believe the information herein is correct as of the date hereof but we do not provide a warranty of any kind. The purchaser of highQu product is responsible himself for ensuring that, where applicable, existing laws and guidelines are observed.

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