

## Safety Data Sheet

### RTScript, 200U/uL/WarmStart RTScript, 200U/uL

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#### SECTION 1: Identification

##### 1.1 Product identifier

Product name RTScript, 200U/uL/WarmStart RTScript, 200U/uL

##### 1.2 Other means of identification

Item number: RT-200-PC/WS-RT-200-PC

##### 1.3 Recommended use of the chemical and restrictions on use

Laboratory Chemicals

##### 1.4 Supplier's details

Name Empirical Bioscience  
Address 2007 Eastcastle Dr. SE  
Grand Rapids, MI 49508  
USA

Telephone 1-877.479.9949  
Email customer.service@empiricalbioscience.com

##### 1.5 Emergency phone number(s)

1-877.479.9949

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#### SECTION 2: Hazard identification

##### 2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200) and Regulation (EC) No 1272/2008 [CLP]

Not a hazardous substance or mixture.

##### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

##### 2.3 Hazards not otherwise classified (HNOC)

No data available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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#### SECTION 3: Composition/information on ingredients

##### 3.1 Substances

Not applicable.

### 3.2 Mixtures

Component	Concentration
Glycerol (CAS no.: 56-81-5; EC no.: 200-289-5)	50 %

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

If inhaled	Remove to fresh air and promote deep breathing. Get medical attention if effects persist.
In case of skin contact	Wash with plenty of soap and water. Get medical attention if irritation develops or persists.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention
If swallowed	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically and supportively.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

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

### 5.2 Specific hazards arising from the chemical

No data available.

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

No data available.

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## SECTION 6: Accidental release measures

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

Wear personal protection recommended in Section 8. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

### 6.2 Environmental precautions

Avoid release to the environment. Do not allow to enter sewers/ surface or ground water.

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

Soak up with inert absorbent material. Pick up and keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practices. Wash hands with soap and water after handling.

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

Keep container tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**Glycerol (CAS no.: 56-81-5)**

PEL-TWA: 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable) (OSHA)

PEL-TWA: 10 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction) (Cal/OSHA)

**8.2 Appropriate engineering controls**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

**Pictograms**



**Eye/face protection**

Safety glasses are recommended.

**Skin protection**

Wear protective gloves, such as nitrile gloves.

**Body protection**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Provide good ventilation. Respiratory protection is not required under normal use conditions. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained

breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

**Thermal hazards**

No data available.

**Environmental exposure controls**

Avoid release to the environment. Do not allow to enter sewers/ surface or ground water.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Colorless liquid
Odor	Characteristic
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	Not flammable.
Evaporation rate	No data available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Density	No data available.
Solubility(ies)	Fully miscible with water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Organic Solvents	No data available.
Water	No data available.
Solids content	No data available.

**Other safety information**

No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Non-reactive under normal use conditions.

### 10.2 Chemical stability

Stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No data available.

**10.5 Incompatible materials**

Strong oxidizers, strong acids, strong bases, reactive metals.

**10.6 Hazardous decomposition products**

No data available.

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**SECTION 11: Toxicological information**

**Information on toxicological effects**

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

**Acute toxicity**

Based on available data, classification data are not met.

Components:

Glycerol (CAS no.: 56-81-5)

LD50 (oral) – rat - 12600 mg/kg

LD50 (skin) – rabbit – > 10000 mg/kg

LC50 (inhalation) – rat – > 570mg/m<sup>3</sup>/1H

**Skin corrosion/irritation**

Based on available data, classification data are not met. Overexposure may cause mild skin irritation.

**Serious eye damage/irritation**

Based on available data, classification data are not met. May cause mild eye irritation.

**Respiratory or skin sensitization**

Based on available data, classification data are not met.

**Germ cell mutagenicity**

Based on available data, classification data are not met.

**Carcinogenicity**

Based on available data, classification data are not met.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

Based on available data, classification data are not met.

**STOT-single exposure**

Based on available data, classification data are not met.

**STOT-repeated exposure**

Based on available data, classification data are not met.

**Aspiration hazard**

Based on available data, classification data are not met.

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## SECTION 12: Ecological information

### Toxicity

No data available on product

### Persistence and degradability

No data available on product

### Bioaccumulative potential

No data available on product

### Mobility in soil

No data available on product.

### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### Other adverse effects

No ecological problems are to be expected when the product is handled and used with due care and attention. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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## SECTION 13: Disposal considerations

### Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

### Disposal of contaminated packaging

Dispose of as unused product.

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## 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 Packing group

Not applicable

### 14.5 Environmental hazards

No data available.

### 14.6 Special precautions for user

No data available.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable.

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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**California Prop. 65 Components**

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

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Hazards**

No SARA hazards.

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

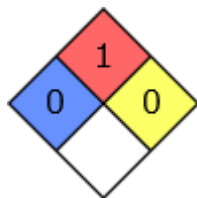
**TSCA (Toxic Substances Control Act)**

All of the ingredients are listed.

**HMIS Rating**

RTScript, 200U/uL/WarmStart RTScript, 200U/uL	
<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	

**NFPA Rating**



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**SECTION 16: Other information**

**16.1 Further information/disclaimer**

Date of issue: August 03, 2020.

**DISCLAIMER:** The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with

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respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.