

# Safety Data Sheet

MDX032

Fast 1-Step RT-qPCR Mix



Revision date 20-Nov-2025

Revision Number 1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Safety data sheet number MS-C1-50584-UK  
Product Name Fast 1-step RT-qPCR Mix, 2x

**Other means of identification**

REACH registration number N/A  
EC No (EU Index No) N/A  
CAS No. N/A  
Pure substance/mixture Mixture  
Molecular weight N/A

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

Recommended use Product for analytical use  
Uses advised against No information available

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

Bioline Reagents Ltd, part of Meridian Bioscience  
Humber Road, London  
NW2 6EW, United Kingdom  
Phone: +44 (0)20 8830 5300  
Fax: +44 (0)20 8452 2822

For further information, please contact:

E-mail Address Msds@MeridianLifescience.com

**1.4. Emergency telephone number**

Emergency Telephone CareChem 24

**Emergency Telephone - +44 (0)1865 407 333 – English speaking (24 hours, 7 days)**

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to

Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**2.2. Label elements**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**Hazard statements**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**Unknown aquatic toxicity**

Contains 0 % of components with unknown hazards to the aquatic environment.

**2.3. Other hazards**

Harmful to aquatic life.

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**Endocrine Disruptor Information**

Contains a known or suspected endocrine disruptor.

Chemical name	EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very High Concern (SVHC) for Authorisation	EU - REACH (1907/2006) - Endocrine Disruptor Assessment List of Substances
t-Octylphenol polyethoxyethanol 9036-19-5	Endocrine disrupting properties	-

Chemical name	Endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4)
t-Octylphenol polyethoxyethanol 9036-19-5	Endocrine disrupting properties

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Glycerol 56-81-5	<5%	No data available	Present	No data available	-	-	-
t-Octylphenol polyethoxyethanol 9036-19-5	<0.1%	No data available	Not Listed	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Aquatic Acute1; Aquatic Chronic 1; H302, H315, H318, H400, H410, M-Factor - Aquatic Acute: 10 - Aquatic Chronic: 1	-	10	1

**Full text of H- and EUH-phrases: see section 16**Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE<sub>mix</sub>) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
t-Octylphenol polyethoxyethanol 9036-19-5	1700	No data available	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Get medical attention if irritation or other symptoms occur. Take a copy of the Safety Data Sheet when going for medical treatment.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash skin with soap and water.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	The most important known symptoms and effects are described in the labelling section 2.2 and/or in section 11. Not expected to present a significant hazard under anticipated conditions of normal use.
<b>Effects of Exposure</b>	No information available.

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

<b>Note to physicians</b>	No information available.
---------------------------	---------------------------

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam.
<b>Small Fire</b>	No specific instructions.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	Fire hazard: product not flammable.
<b>Hazardous combustion products</b>	Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ). Hydrogen chloride. Phosphorus oxides. Potassium Oxides. Magnesium oxides. Sulphur oxides. Hydrogen sulfide. Lithium oxides.

### 5.3. Advice for firefighters

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighting instructions: Product package burns like paper or plastic. Spray any vapours released with water. Retain fire water where possible.
---	--

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Avoid breathing dust/fume/gas/mist/vapors/spray. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

**For emergency responders** Use personal protection recommended in Section 8. Prevent further leakage or spillage if safe to do so. Avoid release of materials into the environment.

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). In case of small scale release: Clean any contaminated equipment and floors with plenty of water. In case of large scale release: Block/ prevent liquid entering any open drain.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** SECTION 5.4: Additional fire precautions..  
SECTION 8: Exposure controls/personal protection.  
SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Advice on safe handling</b>	Handling in accordance with the instructions supplied with the product. Ensure adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and immediately after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep/store only in original container. Store in a cool, well ventilated area. Keep container closed when not in use. Protect from sunlight. Hygroscopic. Store separately from Bases, Oxidizing agents, Reducing agents, Alkali metals, Strong Acids, Acid chlorides, Phosphorus halides.
---------------------------	--

### 7.3. Specific end use(s)

#### **Specific use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

#### **Identified uses**

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Glycerol 56-81-5	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Glycerol 56-81-5	-	-	-	TWA: 10 mg/m <sup>3</sup>	TWA: 20 mg/m <sup>3</sup>
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	-	TWA: 200 mg/m <sup>3</sup> Ceiling / Peak: 400 mg/m <sup>3</sup>	-	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Glycerol 56-81-5	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	-	TWA: 11 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Sweden		Switzerland		United Kingdom
Glycerol 56-81-5	-		STEL: 100 mg/m <sup>3</sup> TWA: 50 mg/m <sup>3</sup>		STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU) with integrated side shields or wrap-around protection.

**Hand protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Wear protective gloves that satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Exact breakthrough times to be found through the manufacturer of the protective gloves and must be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

Splash contact – Material suggested Nitrile Rubber.

Full contact – Material suggested: Nitrile Rubber.  
If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves.

**Skin and body protection**

Long sleeved clothing.

**Respiratory protection**

Respiratory protection not required.  
For nuisance exposures or if risk assessment requires, use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Thermal hazards**

None under normal processing.

**General advice**

Avoid all unnecessary exposure.

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls**

No information available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Color</b>	colorless
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	No information available

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	No data available	Open cup
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>pH</b>	No data available	None known
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Water solubility</b>	No data available	Miscible in water
<b>Solubility(ies)</b>	no data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Relative density</b>	~1.0 g/cm <sup>3</sup> (Water = 1)	None known
<b>Bulk density</b>	No data available	
<b>Liquid Density</b>	No data available	
<b>Relative vapor density</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

**9.2. Other information**

<b>Molecular weight</b>	N/A
<b>Coefficient Water/Oil Distribution</b>	N/A

## 9.2.1. Information with regard to physical hazard classes

Not applicable

<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

## 9.2.2. Other safety characteristics

Not applicable

<b>Evaporation rate</b>	No data available
-------------------------	-------------------

**SECTION 10: Stability and reactivity****10.1. Reactivity**

**Reactivity** Stable under normal conditions.

**10.2. Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid** Extremes of temperature and direct sunlight.

**10.5. Incompatible materials**

**Incompatible materials** Bases, Oxidizing agents, Reducing agents, Alkali metals, Strong Acids, Acid chlorides, Phosphorus halides.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** May emit toxic fumes under fire conditions. Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Hydrogen chloride. Phosphorous oxides. Potassium oxides. Magnesium oxides. Sulfur oxides. Hydrogen sulfide. Lithium oxides.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Acute toxicity****Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	420,000.00 mg/kg
<b>ATEmix (dermal)</b>	333,666.70 mg/kg
<b>ATEmix (inhalation-gas)</b>	99,999.00 ppm
<b>ATEmix (inhalation-vapor)</b>	99,999.00 mg/l
<b>ATEmix (inhalation-dust/mist)</b>	1,262.40 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerol	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
t-Octylphenol polyethoxyethanol 9036-19-5	1700 mg/kg ( Rat )	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## **11.2. Information on other hazards**

### **11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any substances with known or suspected endocrine disrupting properties for human health.

### **11.2.2. Other information**

**Other adverse effects** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

**SECTION 12: Ecological information****12.1. Toxicity**

**Ecotoxicity** Harmful to aquatic life.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerol	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	-	500: 24 h Daphnia magna mg/L EC50
t-Octylphenol polyethoxyethanol 9036-19-5	1.9 mg/l 96 h Pseudokirchneriella subcapitata EC50 static	0.26 mg/l 96h Leuciscus idus LC50 semi-static test	-	0.011 mg/l 48 h Daphnia magna EC50 static

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential****Bioaccumulation****Component Information**

Chemical name	Partition coefficient
Glycerol	-1.76

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Product Information		
Method	Results	Species

**12.7. Other adverse effects**

Other adverse effects known for mix components:

Glycerol - No additional information available.

T-Octylphenol polyethoxyethanol - very toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose of contents/containers in accordance with local regulations. Dispose of as unused product.

**SECTION 14: Transport information****IATA**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None

**IMDG**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	No information available

**RID**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None

**ADR**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product contains one or more substance(s) subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>DSL/NDL</b>	Contact supplier for inventory compliance status
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Contact supplier for inventory compliance status
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>AICS</b>	Contact supplier for inventory compliance status
<b>NZIoC</b>	Contact supplier for inventory compliance status

**Legend:**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects

**Legend**

SVHC: Substances of Very High Concern for Authorization:  
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances  
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

**Legend Section 8: Exposure controls/personal protection**

TWA Time weighted average STEL Short term exposure limit  
 Ceiling Maximum limit value: \* Skin designation  
 + Sensitizers

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

Revision date 20-Nov-2025

### Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

#### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**

## Europe

### EU SDS version information - EGHS

UL release:  
 GHS Revision 7  
 2023 Q1

### Europe

Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under section 3 H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
t-Octylphenol polyethoxyethanol 9036-19-5	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Aquatic Acute1; Aquatic Chronic 1; H302, H315, H318, H400, H410, M-Factor - Aquatic Acute: 10 - Aquatic Chronic: 1	

Revision date 20-Nov-2025

Revision Number 1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Safety data sheet number MS-C2-50584-UK

Product Name RNase Inhibitor

**Other means of identification**

REACH registration number N/A

EC No (EU Index No) N/A

CAS No. N/A

Pure substance/mixture Mixture

Molecular weight N/A

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

Recommended use Product for analytical use

Uses advised against No information available

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

Bioline Reagents Ltd, part of Meridian Bioscience

Humber Road, London

NW2 6EW, United Kingdom

Phone: +44 (0)20 8830 5300

Fax: +44 (0)20 8452 2822

For further information, please contact:

E-mail Address Msds@MeridianLifescience.com

**1.4. Emergency telephone number**

Emergency Telephone CareChem 24

**Emergency Telephone - +44 (0)1865 407 333 – English speaking (24 hours, 7 days)**

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to

Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**2.2. Label elements**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**Hazard statements**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**Unknown aquatic toxicity**

Contains 0 % of components with unknown hazards to the aquatic environment.

**Additional information**

According to CLP (GHS) inner packages must be only labelled with symbol(s) and product identifier (EU 1272/2008 Annex I - 1.5.1.2).

Harmful chemicals/mixtures with signal word: WARNING must not be labelled with H and P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2).

**2.3. Other hazards**

No information available.

**Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Glycerol 56-81-5	~50%	No data available	Present	No data available	-	-	-

**Full text of H- and EUH-phrases: see section 16****Acute Toxicity Estimate**

No information available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General advice</b>	Get medical attention if irritation or other symptoms occur. Take a copy of the Safety Data Sheet when going for medical treatment.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash skin with soap and water.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

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

<b>Symptoms</b>	The most important known symptoms and effects are described in the labelling section 2.2 and/or in section 11. Not expected to present a significant hazard under anticipated conditions of normal use.
<b>Effects of Exposure</b>	No information available.

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

<b>Note to physicians</b>	Treat symptomatically.
---------------------------	------------------------

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam.
<b>Small Fire</b>	No specific instructions.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

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

<b>Specific hazards arising from the chemical</b>	Fire hazard: product not flammable.
<b>Hazardous combustion products</b>	Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ). Sulphur oxides. Potassium Oxides. Hydrogen sulfide. Hydrogen chloride.

**5.3. Advice for firefighters**

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighting instructions: Product package burns like paper or plastic. Spray any vapours released with water. Retain fire water where possible.
---	--

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Avoid breathing dust/fume/gas/mist/vapors/spray. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

**For emergency responders** Use personal protection recommended in Section 8. Prevent further leakage or spillage if safe to do so. Avoid release of materials into the environment.

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). In case of small scale release: Clean any contaminated equipment and floors with plenty of water. In case of large scale release: Block/ prevent liquid entering any open drain.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** SECTION 5.4: Additional fire precautions..  
SECTION 8: Exposure controls/personal protection.  
SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Advice on safe handling</b>	Handling in accordance with the instructions supplied with the product. Ensure adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and immediately after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep/store only in original container. Store in a cool, well ventilated area. Keep container closed when not in use. Protect from sunlight. Hygroscopic. Store separately from: Strong acids, bases, oxidising agents, Reducing agents, Alkali metals.
---------------------------	---

### 7.3. Specific end use(s)

#### **Specific use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

#### **Identified uses**

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Glycerol 56-81-5	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Glycerol 56-81-5	-	-	-	TWA: 10 mg/m <sup>3</sup>	TWA: 20 mg/m <sup>3</sup>
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	-	TWA: 200 mg/m <sup>3</sup> Ceiling / Peak: 400 mg/m <sup>3</sup>	-	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Glycerol 56-81-5	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	-	TWA: 11 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Sweden		Switzerland		United Kingdom
Glycerol 56-81-5	-		STEL: 100 mg/m <sup>3</sup> TWA: 50 mg/m <sup>3</sup>		STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU) with integrated side shields or wrap-around protection.

**Hand protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Wear protective gloves that satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Exact breakthrough times to be found through the manufacturer of the protective gloves and must be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

Splash contact – Material suggested Nitrile Rubber.

Full contact – Material suggested: Nitrile Rubber.  
If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves.

**Skin and body protection**

Long sleeved clothing.

**Respiratory protection**

Respiratory protection not required.  
For nuisance exposures or if risk assessment requires, use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Thermal hazards**

None under normal processing.

**General advice**

Avoid all unnecessary exposure.

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls**

No information available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Color</b>	colorless
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	No information available

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	No data available	Open cup
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>pH</b>	No data available	None known
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Water solubility</b>	No data available	Miscible in water
<b>Solubility(ies)</b>	no data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Relative density</b>	~1.0 g/cm <sup>3</sup> (Water = 1)	None known
<b>Bulk density</b>	No data available	
<b>Liquid Density</b>	No data available	
<b>Relative vapor density</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

**9.2. Other information**

<b>Molecular weight</b>	N/A
<b>Coefficient Water/Oil Distribution</b>	N/A

## 9.2.1. Information with regard to physical hazard classes

Not applicable

<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

## 9.2.2. Other safety characteristics

Not applicable

<b>Evaporation rate</b>	No data available
-------------------------	-------------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Stable under normal conditions.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

**Incompatible materials** Oxidizing or reducing agents. Bases. Alkaline earth metals. Strong acids.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** May emit toxic fumes under fire conditions. Carbon oxides. Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides. Potassium oxides. Hydrogen sulfide. Hydrogen chloride.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Acute toxicity****Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	25,200.0000 mg/kg
<b>ATEmix (dermal)</b>	20,020.00 mg/kg
<b>ATEmix (inhalation-gas)</b>	99,999.00 ppm
<b>ATEmix (inhalation-vapor)</b>	99,999.00 mg/l
<b>ATEmix (inhalation-dust/mist)</b>	75.70 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerol	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## **11.2. Information on other hazards**

### **11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any substances with known or suspected endocrine disrupting properties for human health.

### **11.2.2. Other information**

**Other adverse effects** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity**

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerol	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	-	500: 24 h Daphnia magna mg/L EC50

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential****Bioaccumulation****Component Information**

Chemical name	Partition coefficient
Glycerol	-1.76

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Product Information		
Method	Results	Species

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose of contents/containers in accordance with local regulations. Dispose of as unused product.

**SECTION 14: Transport information****IATA**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None

**IMDG**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	No information available

**RID**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None

**ADR**

<b>14.1. UN number or ID number</b>	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated
<b>14.4. Packing group</b>	Not regulated
<b>14.5. Environmental hazards</b>	Not applicable
<b>14.6. Special precautions for user</b>	
<b>Special Provisions</b>	None

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Contact supplier for inventory compliance status
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>AIC</b>	Contact supplier for inventory compliance status
<b>NZIoC</b>	Contact supplier for inventory compliance status

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorization:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances

vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

**Legend Section 8: Exposure controls/personal protection**

TWA Time weighted average

STEL

Short term exposure limit

Ceiling Maximum limit value:

\*

Skin designation

+ Sensitizers

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

Revision date 20-Nov-2025

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**

**Europe**

**EU SDS version information - EGHS**

UL release:  
GHS Revision 7  
2023 Q1

**Europe**

Partial process, including GHS Wizard, NO TW

Revision date 20-Nov-2025

Revision Number 1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Safety data sheet number MS-C3-50584-UK

Product Name MMLV-RT

**Other means of identification**REACH registration number N/A  
EC No (EU Index No) N/A

CAS No. N/A

Pure substance/mixture Mixture

Molecular weight N/A

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

Recommended use Product for analytical use

Uses advised against No information available

**1.3. Details of the supplier of the safety data sheet****Manufacturer**Bioline Reagents Ltd, part of Meridian Bioscience  
Humber Road, London  
NW2 6EW, United Kingdom  
Phone: +44 (0)20 8830 5300  
Fax: +44 (0)20 8452 2822

For further information, please contact:

E-mail Address Msds@MeridianLifescience.com

**1.4. Emergency telephone number**

Emergency Telephone CareChem 24

**Emergency Telephone - +44 (0)1865 407 333 – English speaking (24 hours, 7 days)**

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to  
Regulation (EC) No. 1272/2008 [CLP]

<b>Chronic aquatic toxicity</b>	Category 3 - (H412)
---------------------------------	---------------------

**2.2. Label elements****Hazard statements**

H412 - Harmful to aquatic life with long lasting effects

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

**Additional information**

According to CLP (GHS) inner packages must be only labelled with symbol(s) and product identifier (EU 1272/2008 Annex I - 1.5.1.2).

Harmful chemicals/mixtures with signal word: WARNING must not be labelled with H and P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2).

**2.3. Other hazards**

Toxic to aquatic life.

**Endocrine Disruptor Information** Contains a known or suspected endocrine disruptor.

Chemical name	EU - REACH (1907/2006) - Article 59(1) - Candidate List of Substances of Very High Concern (SVHC) for Authorisation	EU - REACH (1907/2006) - Endocrine Disruptor Assessment List of Substances
t-Octylphenol polyethoxyethanol 9036-19-5	Endocrine disrupting properties	-

Chemical name	Endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100(3) or Commission Regulation (EU) 2018/605(4)
t-Octylphenol polyethoxyethanol 9036-19-5	Endocrine disrupting properties

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Glycerol 56-81-5	~50%	No data available	Present	No data available	-	-	-
t-Octylphenol polyethoxyethanol 9036-19-5	<0.5%	No data available	Not Listed	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Aquatic Acute1; Aquatic Chronic 1; H302, H315, H318, H400, H410, M-Factor - Aquatic Acute: 10 - Aquatic Chronic: 1	-	10	1

**Full text of H- and EUH-phrases: see section 16**Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
t-Octylphenol polyethoxyethanol 9036-19-5	1700	No data available	No data available	No data available	No data available

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No.	SVHC candidates
t-Octylphenol polyethoxyethanol 9036-19-5	-	X

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Get medical attention if irritation or other symptoms occur. Take a copy of the Safety Data Sheet when going for medical treatment.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash skin with soap and water.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	The most important known symptoms and effects are described in the labelling section 2.2 and/or in section 11. Not expected to present a significant hazard under anticipated conditions of normal use.
<b>Effects of Exposure</b>	No information available.

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

<b>Note to physicians</b>	Treat symptomatically.
---------------------------	------------------------

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO <sub>2</sub> ), dry chemical, alcohol-resistant foam.
<b>Small Fire</b>	No specific instructions.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	Fire hazard: product not flammable.
<b>Hazardous combustion products</b>	Carbon oxides. Nitrogen oxides (NO <sub>x</sub> ). Hydrogen chloride. Potassium Oxides. Sulphur oxides.

### 5.3. Advice for firefighters

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighting instructions: Product package burns like paper or plastic. Spray any vapours released with water. Retain fire water where possible.
---	--

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Avoid breathing dust/fume/gas/mist/vapors/spray. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

**For emergency responders** Use personal protection recommended in Section 8. Prevent further leakage or spillage if safe to do so. Avoid release of materials into the environment.

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). In case of small scale release: Clean any contaminated equipment and floors with plenty of water. In case of large scale release: Block/ prevent liquid entering any open drain.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** SECTION 5.4: Additional fire precautions..  
SECTION 8: Exposure controls/personal protection.  
SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Advice on safe handling</b>	Handling in accordance with the instructions supplied with the product. Ensure adequate ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash it before reuse. Wash hands and face before breaks and immediately after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep/store only in original container. Store in a cool, well ventilated area. Keep container closed when not in use. Protect from sunlight. Hygroscopic. Store separately from: Strong acids, bases, oxidising agents, Reducing agents, Alkali metals.
---------------------------	---

### 7.3. Specific end use(s)

#### **Specific use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

#### **Identified uses**

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Glycerol 56-81-5	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Glycerol 56-81-5	-	-	-	TWA: 10 mg/m <sup>3</sup>	TWA: 20 mg/m <sup>3</sup>
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	-	TWA: 200 mg/m <sup>3</sup> Ceiling / Peak: 400 mg/m <sup>3</sup>	-	-
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Glycerol 56-81-5	-	-	-	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Glycerol 56-81-5	TWA: 10 mg/m <sup>3</sup>	-	TWA: 11 mg/m <sup>3</sup>	-	TWA: 10 mg/m <sup>3</sup>
Chemical name	Sweden		Switzerland		United Kingdom
Glycerol 56-81-5	-		STEL: 100 mg/m <sup>3</sup> TWA: 50 mg/m <sup>3</sup>		STEL: 30 mg/m <sup>3</sup> TWA: 10 mg/m <sup>3</sup>

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection** Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU) with integrated side shields or wrap-around protection.

**Hand protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Wear protective gloves that satisfy the specifications of EU Directive 89/686/EEC and the standard EN374 derived from it. Exact breakthrough times to be found through the manufacturer of the protective gloves and must be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

Splash contact – Material suggested Nitrile Rubber.

Full contact – Material suggested: Nitrile Rubber.  
If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves.

**Skin and body protection**

Long sleeved clothing.

**Respiratory protection**

Respiratory protection not required.  
For nuisance exposures or if risk assessment requires, use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Thermal hazards**

None under normal processing.

**General advice**

Avoid all unnecessary exposure.

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash it before reuse. Wash hands and face before breaks and immediately after handling the product.

**Environmental exposure controls**

No information available.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Color</b>	colorless
<b>Odor</b>	Odorless.
<b>Odor threshold</b>	No information available

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	No data available	Open cup
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>pH</b>	No data available	None known
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Water solubility</b>	No data available	Miscible in water
<b>Solubility(ies)</b>	no data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapor pressure</b>	No data available	None known
<b>Relative density</b>	~1.0 g/cm <sup>3</sup> (Water = 1)	None known
<b>Bulk density</b>	No data available	
<b>Liquid Density</b>	No data available	
<b>Relative vapor density</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

**9.2. Other information**

<b>Molecular weight</b>	N/A
<b>Coefficient Water/Oil Distribution</b>	N/A

## 9.2.1. Information with regard to physical hazard classes

Not applicable

<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

## 9.2.2. Other safety characteristics

Not applicable

<b>Evaporation rate</b>	No data available
-------------------------	-------------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Stable under normal conditions.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

#### **Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

**Incompatible materials** Strong acids. Bases. Oxidizing or reducing agents. Alkaline earth metals.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** May emit toxic fumes under fire conditions. Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride. Potassium oxides. Sulfur oxides. Hydrogen sulfide.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Acute toxicity****Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	25,200.00 mg/kg
<b>ATEmix (dermal)</b>	20,020.00 mg/kg
<b>ATEmix (inhalation-gas)</b>	99,999.00 ppm
<b>ATEmix (inhalation-vapor)</b>	99,999.00 mg/l
<b>ATEmix (inhalation-dust/mist)</b>	75.70 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerol	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
t-Octylphenol polyethoxyethanol 9036-19-5	1700 mg/kg ( Rat )	-	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

## **11.2. Information on other hazards**

### **11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any substances with known or suspected endocrine disrupting properties for human health.

### **11.2.2. Other information**

**Other adverse effects** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

**SECTION 12: Ecological information****12.1. Toxicity**

**Ecotoxicity** Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerol	-	51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	-	500: 24 h Daphnia magna mg/L EC50
t-Octylphenol polyethoxyethanol 9036-19-5	1.9 mg/l 96 h Pseudokirchneriella subcapitata EC50 static	0.26 mg/l 96h Leuciscus idus LC50 semi-static test	-	0.011 mg/l 48 h Daphnia magna EC50 static

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential****Bioaccumulation****Component Information**

Chemical name	Partition coefficient
Glycerol	-1.76

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** This product contains t-Octylphenol polyethoxyethanol (CAS 9036-19-5), listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006 to have endocrine disrupting properties.

Product Information		
Method	Results	Species

**12.7. Other adverse effects**

Other adverse effects known for mix components:

Glycerol - No additional information available.

T-Octylphenol polyethoxyethanol - very toxic to aquatic life with long lasting effects.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste from residues/unused products**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of in accordance with local regulations.

**Contaminated packaging**

Dispose of contents/containers in accordance with local regulations. Dispose of as unused product.

**SECTION 14: Transport information****IATA**

14.1. UN number or ID number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octylphenol polyethoxyethanol)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Yes Marine pollutant: yes
14.6. Special precautions for user	
Special Provisions	None
Note:	No information available

**IMDG**

14.1. UN number or ID number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octylphenol polyethoxyethanol)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Yes Marine pollutant: yes
14.6. Special precautions for user	
Special Provisions	N/A
14.7. Maritime transport in bulk according to IMO instruments	N/A

**RID**

14.1. UN number or ID number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octylphenol polyethoxyethanol)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Yes Marine pollutant: yes
14.6. Special precautions for user	
Special Provisions	None

**ADR**

14.1. UN number or ID number	3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Octylphenol polyethoxyethanol)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Yes Marine pollutant: yes
14.6. Special precautions for user	
Special Provisions	N/A
Classification code	N/A
Tunnel restriction code	N/A
Special precautions for user	Not regulated

## SECTION 15: Regulatory information

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

#### Persistent Organic Pollutants

Not applicable

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>DSL/NDL</b>	Contact supplier for inventory compliance status
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Contact supplier for inventory compliance status
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>AICS</b>	Contact supplier for inventory compliance status
<b>NZIoC</b>	Contact supplier for inventory compliance status

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

### 15.2. Chemical safety assessment

**Chemical Safety Report** No information available

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed  
 H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects

**Legend**

SVHC: Substances of Very High Concern for Authorization:  
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances  
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances

**Legend Section 8: Exposure controls/personal protection**

TWA Time weighted average STEL Short term exposure limit  
 Ceiling Maximum limit value: \* Skin designation  
 + Sensitizers

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

Revision date 20-Nov-2025

### Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

#### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**

## Europe

### EU SDS version information - EGHS

UL release:  
 GHS Revision 7  
 2023 Q1

### Europe

Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under section 3 H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
t-Octylphenol polyethoxyethanol 9036-19-5	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; Aquatic Acute1; Aquatic Chronic 1; H302, H315, H318, H400, H410, M-Factor - Aquatic Acute: 10 - Aquatic Chronic: 1	