

# Material Safety Data Sheet



**GLYCEROL TRIACETATE  
(TRIACETIN)**

VERSION : 03  
DATE OF ISSUE : 31-01-2022  
SUPERSEDES : 02

Product Code : 14722

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## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Trade name : GLYCEROL TRIACETATE  
Product code : 14722  
Identification of the product : GLYCEROL TRIACETATE  
CAS No : 102-76-1

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

Company identification : MOLYCHEM  
Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,  
Mumbai – 400 002 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C., OPP. Shobhavat  
Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### **1.4. Emergency telephone number**

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## **2. Hazards identification -DSD**

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

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### **2.2. Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### **2.3. Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **3. Composition/information on ingredients**

### **3.1 Substances**


Synonyms : GLYCEROL TRIACETATE  
(Triacetin)  
Formula :  $C_9H_{14}O_6$   
Molecular weight : 218.21 g/mol  
CAS-No. : 102-76-1

No components need to be disclosed according to the applicable regulations.

## **4. First aid measures**

### **4.1. Description of first aid measures**

If inhaled

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If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

**5. Fire-fighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Carbon oxides (NOx)

Combustible.

**5.3. Advice for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available

**6. Accidental release measures**

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

Avoid breathing vapors, mist or gas.

For personal protection see section 8.

**6.2. Environmental precautions**

No special environmental precautions required.

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

Keep in suitable, closed containers for disposal..


**6.4. Reference to other sections**

For disposal see section 13.

**7. Handling and storage**

**7.1. Precautions for safe handling**

For precautions see section 2.2.

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

### Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

### Storage class

Storage class (TRGS 510): 10: Combustible Solids

## 7.3. Specific end use(s)

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

## 8. Exposure controls/personal protection

### 8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.  
 Respiratory protection : Wear approved mask.  
 Hand protection : Wear protective gloves.  
 Skin protection : Wear suitable protective clothing.  
 Eye protection : Chemical goggles or safety glasses.  
 Others : When using, do not eat, drink or smoke.

### 8.2. Control parameters

Occupational Exposure Limits : No data available.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Color	colourless to pale yellow
Odor	fatty odor
Melting point/freezing point	Melting point/range: -78 °C - dec.
Initial boiling point and boiling range	258 - 260 °C - lit
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	Upper explosion limit: 7.73 %(V) Lower explosion limit: 1.05 %(V)
Flash point	148 °C - closed cup
Autoignition temperature	433 °C
Decomposition temperature	No data available
pH	No data available
Viscosity	Viscosity, kinematic : No data available Viscosity, dynamic : No data available
Water solubility	58 g/l at 25 °C
Partition coefficient: n-octanol/water	No data available

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Vapor pressure	No data available
Density	1.158 g/cm <sup>3</sup> at 20 °C
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	None

### 9.2. Other information

No data available

## 10. Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Light. Air  
no information available

### 10.5. Incompatible materials

Strong oxidizing agents

### 10.6. Hazardous decomposition products

In the event of fire: see section 5

## 11. Toxicological information


### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: No data available
Serious eye damage/irritation	: No data available.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: No data available
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## 12. Ecological information

### 12.1. Toxicity

No additional information available

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## 12.2 Persistence and degradability

No data available

## 12.3 Bioaccumulative potential

No data available

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Endocrine disrupting properties

### Product:

Assessment : 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.

## 12.7 Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods

No data available

## 14. Transport information

### 14.1. UN number

ADR/RID: -

IMDG :

IATA:

### 14.2. UN proper shipping name

ADR/RID :

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

### 14.3. Transport hazard class(es)

ADR/RID :

IMDG :

IATA :

### 14.4. Packaging group

ADR/RID :

IMDG :

IATA :

### 14.5 Environmental hazards

ADR/RID : no

IMDG : Marine pollutant: no

IATA : no


### 14.6 Special precautions for user

#### **Further information**

Not classified as dangerous in the meaning of transport regulations.

## 15. Regulatory information

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

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 15.2. Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## 16. Other information

### Abbreviations and acronyms :

PBT : persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used :** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008  
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### End of document

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