Triacentin – Glycerol Triacetate

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Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:	TRIACETIN (Synonyms: gylceroltriacetate 1,2,3-Propanetrioltriacetate;)
CAS Number:	102-76-1
EC Number:	203-051-9

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

Recommended use: Laboratory chemicals, Industrial & for professional use only

1.3 Details of the supplier of the safety data sheet

Company name:	East Harbour Group Ltd 20 Clough Road, Severalls Industrial Park Colchester, Essex, CO4 9QS United Kingdom
Telephone:	+44 (0) 333 242 0100
Email:	info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone:	0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture
Emergency Overview
CAUTION! MAY CAUSE EYE IRRITATION.
Potential Health Effects

Inhalation
No adverse health effects expected from inhalation.

Ingestion
Large doses may cause gastro-intestinal upset.

Skin Contact
No adverse effects expected.

Eye Contact
No adverse effects expected. May cause irritation, redness and pain.

Chronic Exposure
No information found.

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Section 3: Composition/information on ingredients

3.1 Substances

CAS#	Chemical Name	%	EINECS
102-76-1	TRIACETIN WATER	99.5% 0.5%	203-051-9

Hazard Symbols None Listed.
Risk Phrases None Listed

Section 4: First aid measures

4.1 Description of first aid measures

Inhalation
Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion
If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact
Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact
Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Section 5: Fire-fighting measures

General Information
As in any fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Extinguishing Media
Water spray, dry chemical, alcohol foam, or carbon dioxide.

Section 6: Accidental release measures

General Information
Wear appropriate personal protective equipment as specified in Section 8.

Spills/Leaks
Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

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Section 7: Handling and storage

Handling
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin, eyes and physical damage.

Storage
Store in a cool, dry, ventilated area. Store in a tightly closed container

Section 8: Exposure controls/personal protection

Airborne Exposure Limits
None established.

Ventilation System
Not expected to require any special ventilation.

Personal Respirators (NIOSH Approved)
Not expected to require personal respirator usage.

Skin Protection
Wear protective gloves and clean body-covering clothing.

Eye Protection
Use chemical safety goggles and/or a full-face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures
There is insufficient data in the published literature to assign complete numerical SAF-T-DATA* ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling. Protective equipment for laboratory bench use should be chosen using professional judgment based on the size and type of reaction or test to be conducted and the available ventilation, with overriding consideration to minimize contact with the chemical.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Clear oily liquid.
Odor	Slight fatty odor.
Solubility	Moderately soluble in water (1-10%).
Specific Gravity	1.1562 @ 25C/4C
pH	No information found.
% Volatiles by volume @ 21C (70F)	0
Boiling Point	258 - 260℃ (496 - 500F)
Melting Point	3℃(101.3KPa)
Vapor Density (Air=1)	7.52
Vapour Pressure （25℃）	0.0033 hPa
Evaporation Rate (BuAc=1)	0

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Section 10: Stability and Reactivity

Stability
Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products
Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization
Will not occur.

Incompatibilities
Strong oxidizers.

Conditions to Avoid
Heat, flames, ignition sources and incompatibles.

Section 11: Toxicological Information

Oral rat LD50: 3000 mg/kg.
--------\Cancer Lists\----------
---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Triacetin (102-76-1)	No	No	None

Section 12: Ecological Information

Environmental Fate
When released into the soil, this material is expected to leach into groundwater. When released into water, this material is not expected to evaporate significantly. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals.

Environmental Toxicity
No information found.

CONSIDERATIONS
Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 13: Disposal considerations

No information found.

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Section 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
No data available

Section 15: Regulatory Information

--------\Chemical Inventory Status - Part 1\----------

Ingredient	TSCA	EC	Japan	Australia
Triacetin (102-76-1)	Yes	Yes	Yes	Yes

--------\Chemical Inventory Status - Part 2\----------

		--Canada--		
Ingredient	Korea	DSL	NDSL	Phil.
Triacetin (102-76-1)	Yes	Yes	Yes	Yes

--------\Federal, State & International Regulations - Part 1\----------

	-SARA 302-	------SARA 313------		
Ingredient	RQ	TPQ	List	Chemical Catg.
Triacetin (102-76-1)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\----------

		-RCRA-	-TSCA
Ingredient	CERCLA	261.33	8(d)
Triacetin (102-76-1)	No	No	No

Australian Hazchem Code
None allocated.

Poison Schedule
None allocated.

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WHMIS
This MSDS has been prepared according to the hazard criteria of the Controlled.
Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Section 16: Other Information

NFPA Ratings

Health	1
Flammability	1
Reactivity	0

Label Hazard Warning
CAUTION! MAY CAUSE EYE IRRITATION.

Label Precautions
No SAF-T-DATA Ratings have been developed for this product. Read and follow all warnings, precautions, instructions and other safety and handling information on the label and MSDS. Avoid contact with eyes. Wash thoroughly after handling.

Label First Aid
In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.