# Vickers Laboratories Ltd - Safety Data Sheet

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.1 Revision date: 28 April 2021
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## **Section 1. Identification**

1.1 Product Identifier 1493

Product Name TRIETHANOLAMINE pure

CAS Number 102-71-6

REACH Registration No 01-2119486482-31-XXXX

Molecular Formula N(CH, CH, OH), =149.19

### 1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

### 1.3 Supplier Vickers Laboratories Ltd



Grangefield Industrial Estate

Richardshaw Road

Pudsey

West Yorkshire LS28 6OW

UNITED KINGDOM

 Phone
 44 0113 2362811

 Fax
 +44(0)113 2362703

 Email
 safety@viclabs.co.uk

 Website
 www.viclabs.co.uk

**1.4 Emergency Telephone** (08:00-16:30) +44(0) 113 2362811

(24hr) 112

(Have this document to hand)

## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### Classification according to regulation 1272/2008/EC

Not classified as hazardous.

### 2.2 Label elements

#### Labelling according to regulation 1272/2008/EC

Not classified as hazardous.

## **Section 3. Composition**

### 3.1 Substances

Not classified as hazardous.

### Section 4. First Aid

### 4.1 Description of first aid measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL

ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. In

severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest. OBTAIN MEDICAL ATTENTION.

Ingestion If conscious give plenty of water to drink, OBTAIN MEDICAL ATTENTION.

Personal protection for first Wear protective gloves / eye protection.

aiders

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

No further relevant information available.

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

No further relevant information available.

## Section 5. Fire Fighting

#### 5.1 Extinguishing media

Extinguishing Media Alcohol resistant foam, dry powder, carbon dioxide or vaporising liquid. Use water spray to keep fire exposed

containers cool.

Unsuitable Media Nothing specified.

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

Hazards May evolve toxic fumes if involved in a fire.

### 5.3 Advice for firefighters

Advice for firefighters Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear

protective clothing and breathing apparatus.

## Section 6. Accidental Release Measures

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

Personal Protection Ensure no sources of ignition. Avoid breathing vapour. Use approved personal protective equipment. Evacuate

area immediately. Do not allow general use of area until it is safe to do so. Beware: vapour is heavier than air and

will tend to accumulate at low spots.

### 6.2 Environmental precautions

Environmental Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local

Environmental Health Officer if major spillage occurs.

#### 6.3 Methods and material for containment and cleaning up

Major Spillage Contain and absorb on inert material. Transfer absorbent to salvage container for removal. Wash area down with

copious amounts of water.

Minor Spillage Wash area down with copious amounts of water.

#### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath vapours. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains vapour concentrations to a minimum.

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

Well ventilated, cool, dry storage . Protect from direct sun and store away from sources of ignition.

#### 7.3 Specific end use(s)

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA) Short Term 15min period)			
Triethanolamine	102-71-6	>97%	-	-	-	-

Exposure data source(s) No occupational exposure data currently available.

8.2 Exposure controls

maintained chemical cartridge organic vapour respirator, or use self contained breathing apparatus.

Hand Protection Use solvent resistant gloves.

Eye Protection Use tightly fitting chemical splash proof glasses or goggles.

Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

Special Hazards No special precautions required.

## Section 9. Physical & Chemical Properties

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

Appearance Colourless liquid or frozen mass.

Odour Pungent fishy odour. Strong ammoniacal odour at higher concentrations.

pH 10 @ 20°C Boiling Point 335°C Melting Point 21°C

Flash Point 210°C (Closed cup)
Upper Flammable Limit
Lower Flammable Limit
Auto Ignition 385°C
Explosive Properties Slight.

Vapour Pressure 0.015mmHg @ 20°C

Relative Density 1.1250

Water Solubility Completely miscible in water.

No.

### 9.2 Other information

No data available.

Oxidising Properties

## Section 10. Stability & Reactivity

**10.1** Reactivity No data available.

10.2 Chemical Stability Stable under normal conditions

**10.3** Possibility of hazardous No data available. reactions

10.4 Conditions to Avoid Hot sur

Hot surfaces, naked flames or other sources of ignition.

**10.5** Incompatable Materials Acids. Strong oxidising agents.

10.6 Hazardous Decomposition Burning will produce toxic fumes of NOx, carbon monoxide and/or carbon dioxide.

**Products** 

### Section 11. Toxicological Information

# 11.1 Information on toxicological effects

Eyes Presents no significant health hazard to the eyes.

Skin Presents no significant hazard by skin contact.

LD50 Skin >22.5g/kg Rabbit LD50 Oral 5530mg/kg Rat

Inhalation Inhalation of the vapour will produce irritation of the eyes and respiratory tract. Symptoms include drowsiness,

mental confusion and unconsciousness. effects the central nervous system resulting in gastrointestinal tract

causing, headache, nausea, giddiness, vomiting, insomnia and anorexia.

LD50 Inhalation Not available
TCLo Not available

Carcinogenicity Not considered to be a carcinogen.

Mutagenicity Not considered to be a mutagen.

Reproductive Effects None identified.

Other Information Air odour threshold is 0.3 ppm.

## Section 12. Ecological

**12.1** Toxicity Small amounts present no specific environmental hazard.

LC50 Algal Not available
LC50 Crustacea Not available

LC50 Fish 450 - 1000mg/l Bluegill (Lepomis macrochirus) (96 hours)

**12.2** Persistence and No data available.

degradability

**12.3** Bioaccumulative potential No data available.

**12.4** Mobility in soil No data available.

12.5 Results of PBT & vPvB

assessment

Assessment not required.

**12.6** Other adverse effects None known at present.

## Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods Dispose of in a licensed incinerator for organic solvents.

Contaminated Packaging Wash out containers with water. Use a licensed waste disposer.

## Section 14. Transport Information

14.1 UN Number Non-restricted14.2 Proper Shipping Name Non-restricted

14.3 Transport classes

UN classification None
Subsidiary hazard(s) None
Transport category None
ADR Hazard ID Non-restricted
Tunnel Restriction Code Non-restricted

14.4 Packing Group None

**14.5 Environment hazards** See section 12.

**14.6 Special precautions for** No special precautions required.

user

14.7 Transport in bulk

Not transported in bulk.

# Section 15. Regulatory Information

## 15.1 Safety, health and environment regulations specific for subtance/mixture.

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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