

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Not hazardous under normal use
If inhaled	Not a likely route of exposure
In case of skin contact	Wash with water
In case of eye contact	Flush with water and see a physician if irritation persists
If swallowed	Do not induce vomiting. Seek medical attention.
Personal protective equipment for first-aid responder	
Eye protection recommended	

4.2 Most important symptoms/effects, acute and delayed

Eye irritant

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

Ingestion of moderate to large quantities may require medical attention

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Not combustible

5.2 Specific hazards arising from the chemical

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedure

Benign substance

6.2 Environmental precautions

Avoid release into streams and waterways

6.3 Methods and materials for containment and cleaning up

Absorb with sawdust or vermiculite

SECTION 7: Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Triethanolamine

TWA 5mg/m³

ACGIH

2. Triethanolamin

LD 50 Oral guinea pig 2,200 mg/kg



8.2 Individual protection measures, such as personal protective equipment (PPE)
Benign substance



Thermal hazards

None

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	White liquid emulsion
Odor	Mild surfactant or cherry
Odor threshold	High
pH	8
Melting point/freezing point	32 deg F
Initial boiling point and boiling range	212 deg F
Flash point	Not established but expected to be very high
Evaporation rate	Equal to water
Flammability (solid, gas)	None
Upper/lower flammability limits	Not established
Upper/lower explosive limits	Not established
Vapor pressure	Equal to water
Vapor density	Less than air
Relative density	~1 g/cc
Solubility(ies)	Water soluble in all proportions
Partition coefficient: n-octanol/water	Not established
Auto-ignition temperature	Not established
Decomposition temperature	Not established
Viscosity	0.8 SI units same as water
Explosive properties	None
Oxidizing properties	None

SECTION 10: Stability and reactivity

10.1 Reactivity

Unreactive under normal conditions

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Unlikely except with strong oxidizers

10.4 Conditions to avoid

Do not freeze

10.5 Incompatible materials

Strong oxidizers

10.6 Hazardous decomposition products

Oxides of nitrogen and carbon

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

None



Skin corrosion/irritation

Very mild irritant

Serious eye damage/irritation

Mild irritant

Respiratory or skin sensitization

Not a likely route of exposure for respiration but can cause mild skin irritation with prolonged exposure

SECTION 12: Ecological information

Toxicity

Not established but expected to be low

Persistence and degradability

100% biodegradable

Bio accumulative potential

None

Mobility in soil

Not established

Results of PBT and vPvB assessment

Does not bio-accumulate

SECTION 13: Disposal considerations

Disposal of the product

Dispose in accordance with local, state and federal guidelines

Disposal of contaminated packaging

Not a hazardous waste

Waste treatment

Absorb onto sawdust or vermiculite if spilled. Dispose of in accordance with local, state and federal guidelines

Sewage disposal

Non-hazardous and biodegradable. Low organic loading.

Other disposal recommendations

Not a hazardous waste

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information



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

SARA 302

Not listed

SARA 313

Not listed

TSCA inventory

All components are listed

Pa. right to know

Listed, triethanolamine

Ma. right to know

Listed, triethanolamine

NJ right to know

Listed, Triethanolamine

Cal. Proposition 65 components

Not listed

HMIS Rating

Health	1
Flammability	0
Physical hazard	0
Personal protection	D

NFPA Rating

Health hazard	1
Fire hazard	0
Reactivity hazard	0
Special hazard	