

MATERIAL SAFETY DATA SHEET
 TRIETHYLENE GLYCOL ,99%

Section 1 - Chemical Product and Company Identification

MSDS Name: TRIETHYLENE GLYCOL ,99%
Catalog Numbers: 13959-0000, 13959-0010, 13959-0025, 13959-0051, 13959-0250
Synonyms:
Company Identification: Acros Organics BVBA
 Janssen Pharmaceuticaaan 3a
 2440 Geel, Belgium
Company Identification: (USA) Acros Organics
 One Reagent Lane
 Fair Lawn, NJ 07410
For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
112-27-6	TRIETHYLENE GLYCOL ,99%	99%	203-953-2

Hazard Symbols: None listed

Risk Phrases: None listed

Section 3 - Hazards Identification
EMERGENCY OVERVIEW

Hygroscopic (absorbs moisture from the air).

Potential Health Effects

Eye: Causes mild eye irritation.
Skin: Causes mild skin irritation.
Ingestion: Expected to be a low ingestion hazard.
Inhalation: May cause respiratory tract irritation.
Chronic:

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.
Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid.
Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage: Store in a cool, dry place. Store in a tightly closed container. Keep under a nitrogen blanket.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits
CAS# 112-27-6:

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Viscous liquid
Color: very slightly yellow
Odor: mild odor - sweetish odor
pH: Not available
Vapor Pressure: < .001 mm Hg @20 deg C
Viscosity: 48 mPas 20 deg C
Boiling Point: 285 deg C @ 760.00mm Hg (545.00°F)
Freezing/Melting Point: -7 deg C (19.40°F)
Autoignition Temperature: 371 deg C (699.80 deg F)
Flash Point: 165 deg C (329.00 deg F)
Explosion Limits: Lower: .09 vol %
Explosion Limits: Upper: .01 vol %

Decomposition Temperature: Not available
Solubility in water: soluble in water
Specific Gravity/Density: 1.1250g/cm³
Molecular Formula: C₆H₁₄O₄
Molecular Weight: 150.17

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, exposure to moist air or water.
Incompatibilities with Other Materials Strong oxidizing agents, strong acids.
Hazardous Decomposition Products Carbon monoxide, carbon dioxide.
Hazardous Polymerization Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 112-27-6: YE4550000
LD50/LC50: RTECS:
CAS# 112-27-6: Draize test, rabbit, eye: 500 mg Mild;
Draize test, rabbit, skin: 500 mg/24H Mild;
Oral, mouse: LD50 = 20000 mg/kg;
Oral, rabbit: LD50 = 8400 mg/kg;
Oral, rabbit: LD50 = 8400 mg/kg;
Oral, rat: LD50 = 17 gm/kg;
Oral, rat: LD50 = 15000 mg/kg;
Skin, rabbit: LD50 = >20 mL/kg;
Other: Oral, mouse: LD₀₁ = 18500 mg/kg
Carcinogenicity: TRIETHYLENE GLYCOL ,99% - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity: Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not available	Not available	Not available
Hazard Class:			
UN Number:			
Packing Group:			

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 112-27-6: 1

Canada

CAS# 112-27-6 is listed on Canada's DSL List

US Federal

TSCA

CAS# 112-27-6 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996

Revision #0 Date Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
