



SDS

(Safety Data Sheet)

Refined Glycerine 99.7 % Min USP

1) Identification of the product:

- a) Product name – Refined Glycerine 99.7 % USP
- b) Other names- Glycerine
- c) Application- Cosmetics, food products, tobacco and paints
- d) Name and address of the supplier- Timur Network Malaysia Sdn. Bhd.
No. 26, Lorong Bayu Tinggi 1B/KS6, Batu Unjur, 41200
- e) Emergency contact number- +60 333249851

2) Hazards Identification:

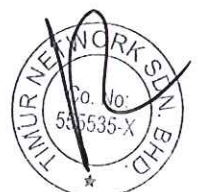
GHS Classification of Substance in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS):

Not a hazardous substance or mixture.

OSHA Hazard Communication Standard This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. GHS Label Elements: None

Other Hazards Potential Health Effects:

- Can be irritating to the eyes.
- Can be harmful if ingested.
- Can be harmful if inhaled.
- Avoid breathing mist.
- Can be irritating to the skin.





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3) Composition/ Information on Ingredients:

Ingredient name	CAS no.	EC Number	%	EU Classification	GHS Classification
Glycerin	56-81-5	200-289-5	99.7% Min	Not classified	Not classified

Occupational exposure limits, if available, are listed in section 8.

4) First Aid Measures:

Description of First Aid Measures General Advice:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Take care to self-protect by avoiding becoming contaminated.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries after inhalation: ON HEATING: Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

Symptoms/Injuries after skin contact: n/a

Symptoms/Injuries after eye contact: Redness of the eye tissue. Lacrimation.

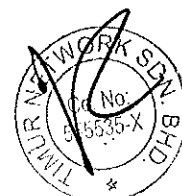
Symptoms/Injuries after ingestion: Nausea. Vomiting. Diarrhea.

AFTER ABSORPTION OF HIGH QUANTITIES: Headache. Dehydration. Disturbances of heart rate. Change in the aerogramme/blood composition. Decreased renal function.

Description of First Aid Measures

First-aid measures after inhalation: Remove the victim into fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

First-aid measures after skin contact: Wash immediately with lots of water (15 minutes)/shower. Soap may be used. Remove clothing before washing.



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Website : www.timurnetwork.com E-mail: sales@timurnetwork.com

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* Soap, Noodles * Palm Oil By Products *



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First-aid measures after eye contact: Rinse immediately with plenty of water for 15 minutes. Take victim to an ophthalmologist if irritation persists.

First-aid measures after ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual. Ingestion of large quantities: immediately to hospital.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5) Fire Fighting measures:

Extinguishing Media

Suitable extinguishing media: Use dry powder, foam, carbon dioxide for extinguishing.

Unsuitable extinguishing media: None

Special Hazards Arising from the Substance or Mixture

Fire hazard: DIRECT FIRE HAZARD. Combustible keep away from open flame, no smoking. INDIRECT FIRE HAZARD. Temperature above flashpoint: higher fire/explosion hazard.

Explosion hazard: No direct explosion hazard.

Reactivity: Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapors (acrolein). Upon combustion CO and CO₂ are formed. May polymerize on exposure to temperature rise. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts with (some) acids: (increased) risk of fire/explosion.

Advice for Firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Protection during firefighting: Firefighters should wear full protective gear. Use self-contained breathing equipment if in confined place. Do not enter fire area without proper protective equipment, including respiratory protection.



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6) Accidental Release Measures:

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Mark the danger area. Exposure to heat: have neighborhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes. Use gloves, face shield

For Non-emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE).

Emergency procedures: Evacuate unnecessary personnel.

For Emergency Responders

Protective equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency procedures: Ventilate area.

Environmental Precautions Do not allow to flow into drainage system.

Methods and Material for Containment and Cleanup

For containment: Collect leakage in sealable containers, soak up with sand or other inert absorbent and remove to safe place. Flush away remainder with water.

Methods for cleaning up: Clear up spills immediately and dispose of waste safely.

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.



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7) Handling and Storage

Precautions for Safe Handling

Prevention of user exposure: Put on appropriate personal protective equipment. Use gloves and wear goggles when handling. Avoid breathing mist.

Prevention of fire and explosion: Handling temperature ≥ 10 °C above melting point

Precautions while moving the product: Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Hygiene Measures: Workers should wash hands and face before eating, drinking and smoking.

Conditions for Safe Storage, including any Incompatibilities

Storage precautions: Keep in a cool and dry place. Keep separate from oxidants. Avoid extreme heat and cold. Avoid direct fire. Store in clean, dry, and preferably stainless steel or HDPE vessels. In bulk, store at ambient temperature. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light, especially sunlight, must be minimized to prevent quality loss.

Incompatible products: KEEP SUBSTANCE AWAY FROM: heat sources, oxidizing agents, (strong) acids, (strong) bases. Packaging materials:

Packaging should be closable, dry, clean, correctly labelled, and meet the legal requirements. Secure fragile packaging in solid containers. Suitable storage includes steel, aluminum, iron, synthetic material, glass.





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8) Exposure control/Personal protection

Control Parameters

Occupational Exposure Controls: n/a

Technical measures: n/a

Occupational Exposure Limits: TWA 10 mg/m³ (mist)

Appropriate Engineering Controls

Recommended monitoring procedures: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Individual Protection Measures

Personal Protective Equipment: Gloves. Safety glasses. Protective clothing. Mist formation: aerosol mask with filter type P1. On heating: gas mask with filter type A.

Materials for Protective Clothing: GIVE GOOD RESISTANCE: natural rubber, neoprene, PVC, Viton. GIVE LESS RESISTANCE: styrene-butadiene rubber. GIVE POOR RESISTANCE: polyurethane.

Eye Protection: Use protective goggles and/or a full-face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU). Maintain eye wash fountain and quick-drench facilities in work area.

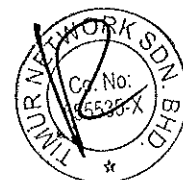
Hand Protection: suitable protective gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin and Body Protection: suitable protective clothing.

Respiratory Protection: Mist formation: aerosol mask with filter type P1. On heating: gas mask with filter type A.

Environmental Exposure Controls: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Other Information: When using, do not eat, drink or smoke.



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9) Physical and Chemical Properties

General Information

Physical State: Clear, colorless, hygroscopic viscous liquid.

Color: colorless

Odor: odorless

Molecular Weight: 92.09 g/mol

Safety Data

pH: Neutral

Initial boiling point and boiling range: 290 - 295 °C @ 760mm Hg

Flash point: >199 °C

Evaporation rate: n/a

Flammability (solid, gas): n/a

Upper/lower flammability or explosive limits: n/a

Vapor pressure: < 0.001 hPa @ 20°C

Vapor pressure: 0.0033 hPa @ 50°C

Vapor density: 3.2 (relative, air=1)

Relative density: 1.0 @ 20 °C at saturated mixture vapor/air (air=1)

Solubility(ies): Infinite g/100 ml in water @ 20 °C

Partition coefficient: n-octanol/water: -2.6

Auto-ignition temperature: 429 °C

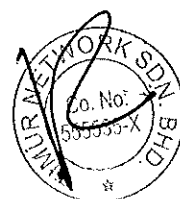
Decomposition temperature: 290 °C

Viscosity: 1400 mPas (20 °C)

Log Pow: -1.76/2.6

Melting point/freezing point: 18 °C

Boiling Point: 290 °C



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10) Stability and Reactivity

Reactivity: Vapor mixes readily with air. Decomposes on exposure to temperature rise: release of toxic, corrosive, combustible gases/ vapors (acrolein). Upon combustion CO and CO₂ are formed. May polymerize on exposure to temperature rise. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts with (some) acids: (increased) risk of fire/explosion.

Chemical stability: Hygroscopic. Able to polymerize above 149 °C. Decomposes when heated above 290 °C.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: None known

Incompatible materials: Reacts violently with strong oxidants

Hazardous Decomposition Products: Low toxicity in original state and not considered hazardous to human beings. On heating/burning release of toxic/combustible gases/vapors (acrolein).

11) Toxicological information

Acute toxicity by oral route, inhalation and dermal route: Not Classified

Product	Test	Species	Dose
Glycerin	LD 50 oral	Rat	9.2 g/kg

Skin irritation/corrosion: Can be irritating to the skin.

Eye irritation: Can be irritating to the eyes.

Skin sensitization: Can be harmful if absorbed through skin.

Respiratory irritation: Can be harmful if inhaled. Can be irritating to the respiratory tract. Avoid exposure to mist.

12) Ecological information:

Degradability Ecotoxicity	Readily biodegradable BOD ₅ /COD= 0,75/1,00
LC 50 Fish, 96 hours	> 5000 mg/l
EC50 algae	> 2900 mg/l



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13) Disposal Consideration:

Methods of Disposal of Waste Residue: Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite, or powdered limestone. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Wash down leftovers with plenty of water. Wash clothing and equipment after handling. Do not discharge into surface water.

Disposal of Contaminated Packaging: Waste incineration with the approval of the responsible local authority.

14) Transport Information:

UN number: not regulated as a hazardous material.

UN proper shipping name: n/a

Transport hazard class(es): Not hazardous according to RID/ADR, GGVS/GGVE, ADN, IMDG, ICAO-TI/IATA-DGR.

Packing group: n/a

Environmental hazards (e.g.: Marine pollutant (Yes/No)): No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): n/a

Special precautions: n/a

15) Regulatory Information:

Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulations No REACH Annex XVII restrictions

EU Regulation 10/2011 (Annex I): FCM 103 - (CAS 0000056-81-5) glycerol

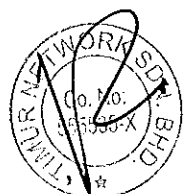
National Regulations Chemical inventories: Listed on AICS, DSL, ECL, ECST, ENCS, IECSC, NZIoC, PICCS, SWISS, TSCA, EC inventories Swiss Ordinance (RS 817.023.21) Annex 6: List of additives (part A), List of binders (part A), List of solvents (part A) WGK class: 1 (weak water endangering)

Chemical safety assessment

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components



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SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards Chronic Health Hazard

CERCLA

No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA

Massachusetts Right To Know Components Glycerin CAS-No. 56-81-5 Revision Date 2007-03-01

Pennsylvania Right To Know Components Glycerin CAS-No. 56-81-5 Revision Date 2007-03-01

New Jersey Right To Know Components Glycerin CAS-No. 56-81-5 Revision Date 2007-03-01

California Prop 65 Components

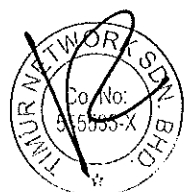
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16) Other Information:

Training advice:

Before using/handling the product one must read carefully present SDS. Always work safely around open hatches on bulk tanks.

SDS Revision date : 29 April 2020



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