



TGV SRAAC LIMITED

GONDIPARLA, KURNOOL - 518004

TGV SRAAC/MSDS/23
Rev. /Date: 01/03.07.2025



MSDS-GLYCERINE

1. Company Identification:

M/s TGV SRAAC LIMITED
(Formerly Sree Rayalaseema Alkalies & Allied Chemicals Ltd),
Gondiparla, Kurnool.
Phone : 08518 280006, 7, 8
Toll Free No. : 1800111735

2. Product Identification

Chemical Name : **GLYCERINE**
Other name(s) : Glycerine 99.5% IP/USP/BP/EP;
Glycerin (Vegetable); Refined Glycerin; Glycerin Tech Grade
Formula : $C_3H_8O_3$
CAS#: 56-81-5 Chemical Classification: Organic
Compound Synonyms Glycerin Anhydrous, 1,2,3 –
propanetrio Glycerol, 1,2,3 – Trihydaxy propane
Hazardous Waste No.: 5

3. Hazards Identification :

Potential Acute Health Effects: Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.
Potential Chronic Health Effects: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS..
Poisons Schedule: None allocated.

4. First Aid Measures :

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with.

running water. If irritation occurs seek medical advice

Ingestion: Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

5. Fire Fighting Measures :

Hazards from combustion products: Combustible liquid. On burning will emit toxic fumes, including those of oxides of carbon.

Precautions for fire fighters and special protective equipment: Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Keep containers cool with water spray.

Suitable Extinguishing Media: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

6. Accidental Release Measures

Emergency procedures: If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

7. Handling and Storage :

Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

Precautions for safe handling: Avoid skin and eye contact and breathing in vapour, mists and aerosols.

Conditions for safe storage: Store in a cool, dry, well ventilated place at ambient temperature and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. Exposure Controls/Personnel Protection:

Glycerin mist: 8hr TWA = 10 mg/m³
As published by the National Occupational Health and Safety Commission.
TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour respirator or air supplied mask. Keep containers closed when not in use.

Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses and impervious gloves. If risk of inhalation exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and chemical properties

Physical state and appearance: Clear Viscous Liquid

Odor : Odorless
Molecular Weight : 92
Molecular Formula : $C_3H_8O_3$
Color : Colorless
Solubility : Miscible in water.
pH : 7

Boiling Point : 290 °C
Melting Point : 18 °C
Decomposition Point (°C) : >=290
Specific Gravity : 1.2636 @ 20°C
Flash Point (°C) : 160 (CC)

Flammability Limits (%) : Lower: 0.9
Autoignition Temperature (°C) : ~400
Vapour Pressure (20 °C) : <0.01 mbar
Relative Vapour Density (air=1) : 3.2
Viscosity : 1,300 - 1,400 mPa.s @ 20°C
Partition Coefficient : log Pow: -2.6
Solubility : Miscible in water.



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10. Stability and reactivity

Chemical stability: Stable under normal conditions of use. Hygroscopic: absorbs moisture or water from surrounding air.

Conditions to avoid: Avoid exposure to heat, sources of ignition, and open flame.

Incompatible materials: Incompatible with strong oxidising agents.

Hazardous decomposition products: Oxides of carbon.

Hazardous reactions: Hazardous polymerization will not occur.

11. Toxicological Information :

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

Eye contact: A mild eye irritant.

Skin contact: Contact with skin will result in mild irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation: Where this material is used in a poorly ventilated area, at elevated temperatures or in

confined spaces, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea.

Long Term Effects : No information available for the product.

Toxicological Data:

Oral LD50 (rat): 12,600 mg/kg (1)

Oral LD50 (mice): 4,090 mg/kg (1)

SKIN: Mild irritant (rabbit). (1)

EYES: Mild irritant (rabbit). (1)

12. Ecological Information :

Ecotoxicity: Avoid contaminating waterways.

Persistence/degradability and mobility: The material is readily biodegradable. (2)

Aquatic toxicity:

Acute LC50 (fish): >100 mg/L (2)

Acute EC50 (bacteria): >100 mg/L (2)

13. Disposal Consideration

Disposal methods: Refer to local government authority for disposal recommendations. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

14. Transport Information

Road and Rail Transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. Regulatory Information:

Classification: Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

Poisons Schedule: None allocated
This material is listed on the Australian Inventory of Chemical Substances (AICS).

Local Regulatory bodies:

APPCB, Kurnool.

Dy. Chief Inspector of Factories,
Kurnool

16. Other Information:

Information containing in this MSDS is believe to be reliable. But no guarantee is made as to its accuracy, suitability for a particular application or results to be obtained from them.

Contact Person :

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