

PALMEDIA (M) SDN. BHD.

(Formerly Known as Sumi Asih Sdn Bhd)

(CO. REG. NO.: 645393-H)

NO. 3, Lengku Gerudi,

Off Jalan Pelabuhan Klang Utara,

42000 port Klang,

Selangor Darul Ehsan, Malaysia

Tel: 603-31654248 Fax: 603-31654241

HKG OFFICE:

Tel: 852-23423201 Fax: 852-27978263

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SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier : Glycerine USP 99.5%

1.2 Relevant identified uses of the substance and uses advised against

Relevant identified uses : Raw material for manufacturing oleochemical derivatives

Uses advised against : Not available

1.3 Details of the supplier of the SDS

Company Name : Palmedia (M) Sdn. Bhd.
Address : No. 3, Lengku Gerudi, Off Janlan Pelabuhan
Klang Utara, 42000 Port Klang, Selangor Ehsan,
Malaysia
Tel : 603-31654248
Fax : 603-31654241

1.4 Emergency telephone number : 603-31654248

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Classification of the substance

Classification according to Regulation (EC) No 1272/2008 [CLP]

Physical Hazard : Non-classification

Human Health Hazard : Non-classification

Environmental Hazard : Non-classification

Classification according to Directive 67/548/EEC [DSD]

The product is not classified as dangerous according to Directive 67/548/EEC and its amendments

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2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP/CHS]

Hazard pictogram : No Pictogram

Signal Word : No Signal Word

Hazard Statement : No Hazard Statement

Precautionary Statement : Call a Poison center/doctor/physician if you fell unwell

2.3 Other hazards : Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Molecular formula
C3H8O3

Chemical Name	Synonyms	Cas No	Composition (%)	EINECS No
Glycerol	1,2,3-Propanetriol	56-81-5	> 99.5	200-289-5

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : Remove source of contamination or have victim move to fresh air.
If suffocation is serious, obtain medical attention immediately.

Skin Contact : Take off immediately all contaminated clothing. Rinse skin
with water/shower. Obtain medical attention if necessary.

Eye Contact : Immediately flush the contaminated eye with running water for
several minutes. Obtain medical attention if necessary.

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Ingestion : If swallowed, do not induce vomiting. Rinse mouth, drink plenty of water. Obtain medical attention if necessary. Never give anything by mouth to an unconscious person.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

No known significant effects or critical hazards

4.3 Indication of the immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatment : No specific treatment

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Form. Dry powder or carbon dioxide

Unsuitable extinguishing media : Not available

5.2 Specific hazard arising from the substance : Thermal decomposition may emit acrolein and toxic fumes of carbon monoxide

5.3 Advice for fire-fighters : Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through split material. Put on appropriate personal protective equipment.

For emergency responders : Use suitable protective equipment.

6.2 Environmental precautions : Avoid dispersal of split material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods and materials for containment and cleaning up : Absorb with sand or other non-combustible material and transfer to container for disposal.
Residue and small spillages may be washed away with water and detergent.

6.4 Reference to other sections : See section 1 for emergency contact information.
See section 7 for information on safe handling.
See section 8 for information on personal protective equipment.
See section 13 for information on disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling : Avoid contact with eyes, skin, and clothing. To use gloves when handling. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities. : Store in a tightly closed container. Can be stored in a aluminum, stainless steel, fiberglass or resin lined steel vessels.
Store in a cool and dry place. Exposure to ultraviolet light, especially sunlight must be minimised to prevent quality loss.

7.3 Specific end use(s) : Not available

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits : ACGIH (Glycerine mist) - TLV-TWA 10 mg/m³
OSHA Z-1 PEL (Glycerine mist) - respiratory fraction - 5mg/m³
OSHA Z-1 PEL (Glycerine mist) - total dust - 15 mg/m³

8.2 Exposure controls

Appropriate engineering control : No special measures required

Personal protective equipment

Eye/face Protection : Goggles or face shield with goggles, dependent upon potential exposure

Skin Protection : Protective gloves

Respiratory Protection : None required for ambient temperature, although an appropriate NIOSH approved air-purifying respirator should be used if a mist or vapor is generated

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance : Colorless viscous liquid
Odor : Odorless
Odour threshold : Not available
pH : Not available
Melting point : 18-22 °C

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Boiling point	: 290 - 295 ⁰ C @ 1013hPa
Flash point	: 160 ⁰ C
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Vapor pressure	0.0023 mmHg @ 20 ⁰ C
Vapor density (Air = 1)	: 3.2
Specific gravity	: 1.26 @ 20 ⁰ C
Solubility	: Miscible
Partition coefficient (n-octanol/water)	: -2.6
Auto-ignition temperature	: ~ 400 ⁰ C
Decomposition temperature	: > 204 ⁰ C
Viscosity	: 1410 mPa.s @ 20 ⁰ C
Explosive properties	: Not Explosive
Oxidising properties	: Not an oxidising substances

9.2 Other information

No additional information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	: None known
10.2 Chemical Stability	: Able to polymerise above 149 ⁰ C Decomposes when heated above 290 ⁰ C
10.3 Possibility of hazardous reaction	: None known
10.4 Condition to avoid	: Overheating
10.5 Incompatible substance	: Reacts violently with strong oxidizing agents

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10.6 Hazardous decomposition products : Low toxicity and not considered hazardous to human beings

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological information

Acute oral : LD₅₀ rat > 27200 mg/kg

Dermal : LD₅₀ rabbit > 18700 mg/kg

Inhaled : LC₅₀ > 570mg/m³/1Hr

Skin corrosion/irritation : Not irritating

Serious eye damage/irritation : Not irritating

Skin sensitization : Not sensitizing

Respiratory sensitization : Non-classification

Germ cell mutagenicity : Non-classification

Carcinogenicity : No data available

Reproductive toxicity : Non-classification

Specific target organ toxicity

-Single exposure : No data available

-Repeated exposure : No data available

Aspiration Hazard : No data available

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SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Fish (*Carassius auratus*) : 24h LC₅₀ > 5000 mg/l

Crustacea (*Daphia magna*) : 24h EC₅₀ > 10000 mg/l

Algae : 96h LC₅₀ = 77712 mg/l (QSAR prediction)

12.2 Persistence and biodegradability

: Readily biodegradable (OECD 301)
92% degradation after 30 days

12.3 Bioaccumulative potential

BCF : 1.3162 (Estimated by calculation base on EPIWIN vs 3.04)

12.4 Mobility in soil

Log Koc : 0.65 (estimated)

12.5 Results of PBT and vPvB assessment

: No PBT or vPvB substance

12.6 Other adverse effects

: None known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose according to local regulation. Do not dispose of via sinks, drains or into the immediate environment

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SECTION 14: TRANSPORT INFORMATION

- 14.1 UN Number : None
- 14.2 UN Proper Shipping Name : None
- 14.3 Transport Hazard Class : Not hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR
- 14.4 Packing Group : None
- 14.5 Environmental Hazard
Marine pollutant (Yes/No) : No
- 14.6 Specious precautions for user: Not available
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Category Z

SECTION 15: REGULATORY INFORMATION

15. Regulatory information

This product is exempted from REACH (ANNEX V)

Chemical Inventory

EU	EINECS (Existing Inventory of Existing Commercial Chemical Substances)	Listed
USA	TSCA (Toxic substances control act)	Listed
Australia	AICS (Australian Inventory Chemical Substances)	Listed
China	IECSC (Inventory of Existing Chemical Substances in China)	Listed
Korea	ECL (Existing Chemical List)	Listed

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SECTION 16: OTHER INFORMATION

16.1 Revision information

Date of revision : 15-6-11
Date of previous revision : N/A

16.2 Key literature references and sources for data

- 1) OECD SIDS Initial Assessment report for SIAM 14, March 2002
- 2) Malaysia Oleochemicals Manufactures Group (MOMG) MSDS

This information is correct to the best of our knowledge, information and belief at the date of its publication. It is to be used as reference and guidance purpose only. It is not to be considered a warranty or quality specification.