



SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Fortis Natural PG 1,3

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Fortis Natural PG 1,3
INCI name: Propanediol
Chemical name: 1,3-Propanediol
CAS number: 504-63-2
EC number: 207-997-3

Relevant identified uses of the substance and uses advised against

Identified uses: Cosmetic industry and industrial use
Uses advised against: None known

Details of the supplier of the safety data sheet

Manufacturer/Supplier: CINAGOS SDN BHD
Address: No 39, Jalan Selat Selatan 7/KS5, Taman Perindustrian Sobena
Jaya Pandamaran, 42000 Pelabuhan Klang, Selangor, Malaysia.
Emergency Contact number: +603 31631679
Website: www.cinagos.com

SECTION 2: Hazards Identification

Hazard classification: Not classified

Human Health Hazards

Skin contact: None identified
Eye contact: No data available
Ingestion: None identified
Physical/Chemical Hazards: No data available
Health hazards: Swallow might be harmful
Environmental Hazards: No data available.

SECTION 3: Composition/information on ingredients

Chemical Name	CAS No.	EINECS No.	Weight (%)
1,3-Propanediol	504-63-2	207-997-3	≥99.9



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SECTION 4: First aid measures

General Advice:	If you feel unwell, seek medical advice.
Skin Contact:	Take off immediately all contaminated clothing. Rinse skin with soap and plenty of water. If the person feel uncomfortable, please seek medical attention promptly.
Eye Contact:	Rinse immediately with plenty of water for a few minutes. Remove contact lenses if convenient and continue to rinse. If eye irritation persists, seek medical attention in time.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. If symptoms do not resolve, seek medical advice/medical attention.
Ingestion:	Gargle your mouth and drink plenty of water. Do not feed anything through the mouth to unconscious patients, and seek medical attention promptly.
Most important symptoms and effects, both acute and delayed:	Main symptoms: cough.
Self-protection of the first aider:	Do not eat, drink or smoke. Enhance ventilation. Avoid contact with skin and eyes. Avoid inhalation. Protective equipment should be worn when entering the scene of the accident.
Note to physicians:	No data.

Indication of any immediate medical attention and special treatment needed

Hazards:	Seek medical advice if unwell.
Treatment:	Treat symptomatically

SECTION 5: Firefighting measures

General fire hazards:	None known
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Extinguishing media

Suitable extinguish media:	Applicable fire extinguishing agent: Extinguish the fire with foam, dry chemical, carbon dioxide (CO ₂), water spray fire extinguisher.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Special hazards arising from the substance or mixture:	Under conditions giving incomplete combustion, hazardous gases produced may consist of: carbon monoxide (CO), carbon dioxide (CO ₂).



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Combustion gases of organic materials must in principle be graded as inhalation poisons. Vapours are heavier than air and may spread along floors.

Advice for firefighters

Put out the fire in the upwind direction.
Fire fighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full fire-fighting turn out gear.
Cool containers / tanks with water spray.
Dike and collect water used to fight fire.
Keep people away from and upwind of fire.
Collect contaminated fire extinguishing water separately, it could not be discharged into the sewer to prevent environmental pollution.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters:	Self contained breathing apparatus and full protective clothing must be worn in case of fire
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SECTION 6: Accidental release measures

General measures:	Mark the danger area. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes.
Personal precautions, protective equipment and emergency procedures:	For non-emergency personnel: For personal protective equipment see section 8. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition. For emergency responders: Personal protection see section "Exposure controls / personal protection".
Environmental precautions:	Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).
Methods for cleaning up:	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Prevention of secondary hazards:	No data available.



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Notification procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations

SECTION 7: Handling and storage

Precaution for safe handling: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Provide sufficient air exchange and/or exhaust in work rooms.
Hygiene measures: when using, do not eat, drink or smoke. Take off all contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities

Heat and ignition sources: Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material.

Information on mixed storage: It should be stored separately from the prohibited ingredients, and should not be mixed (see Section 10 for the prohibited ingredients).

Storage area: Keep container tightly closed. Store in a cool and well-ventilated warehouse. Handle and open container with care. Keep at temperatures between 15 and 32 °C (60 and 90 °F).

Special rules on packaging: Closed, correctly labelled, meet the legal requirements
Separated from incompatible materials (see section 10).

Others: Equipped with corresponding varieties and quantities of fire-fighting equipment

SECTION 8: Exposure controls/personal protection

Admissible solution

Not contain substances with occupational exposure limits.

Control parameters

Occupational exposure limits: No data available.



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Exposure controls

Personal protective equipment:	Gloves. Protective clothing. Safety glasses
Materials for protective clothing:	Give good resistance: nitrile rubber
Hand protection:	Wear protective gloves. Recommendations are listed below. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present. Suitable material nitrile rubber
Eye protection:	Tightly fitting safety goggles. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face. Equipment should conform to EN 166..
Skin and body protection:	Impervious clothing. Wear face-shield and protective suit for abnormal processing problems.
Respiratory protection:	Not required under recommended conditions of use. In case dust is generated, use personal protective equipment, dust filter P2 or if fine particles P3.



SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Colorless clear liquid
Appearance:	Colorless clear liquid
Colour:	None
Odour:	None
pH(25°C±2°C):	No data available
Melting point/freezing point:	-27 °C
Boiling point:	210-214 °C
Flash point:	> 78 °C
Flammability limit:	No data available
Vapor pressure:	No data available
Vapor density:	1.05 at 25 °C
Density (25°C):	3.91 Pa at 25 °C



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Water solubility:	Soluble
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	400 °C, at 101 325 Pa
Decomposition temperature:	No data available
Refractive index(20°C±5°C):	No data available
Viscosity	44.923 mm ² /s (static) at 24 °C
Molecular Weight:	76.10 (C ₃ H ₈ O ₂)

SECTION 10: Stability and reactivity

Chemical stability:	The product is stable when stored and used at normal ambient temperature.
Conditions to avoid:	Avoid contact with heat, sparks, open flame and static discharge. Avoid any source of ignition. Temperature : > 129 °C.
Incompatible materials:	Strong acids and oxidizing agents
Hazardous decomposition products:	No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Acute toxicity:	LD50(Oral, Rat): 14.9 mL/kg. LD50(Dermal, Rat): >4200 mg/kg.
Skin corrosion/irritation:	Very slight or well-defined erythema of the treated skin and is, therefore, considered to be a slight primary skin irritant.(Rabbit).
Serious eye damage/irritation:	The ocular effects of propanediol-1,3 consisted of slight redness of the conjunctivae in four out of six rabbits. After 48 hours these effects had cleared up. (Rabbit).
Respiratory or skin sensitisation:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No adverse effect observed (Rat).
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available



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SECTION 12: Ecological information

Ecotoxicity:	Acute (short-term) toxicity: LC50 (96 h, fish): >9720 mg/L. EC50(48 h, aquatic invertebrates): 7417 mg/L. EC50(72h, aquatic algae and cyanobacteria): >10000 mg/L. EC50 (16 min, microorganisms): 6000 mg/L. Chronic (long-term) toxicity: NOEC(aquatic invertebrates):>=100 mg/L.
Persistence and degradability:	The test substance was shown to be ready degradable in an OECD 301B study. The amount of carbon dioxide evolution was 71% after 28 days, indicating that the test substance is completely mineralized without any significant metabolites or degradation products. Persistence of the test substance in the environment is therefore not expected.
Bioaccumulation:	Low potential for bioaccumulation (log Kow < 3)
Mobility in soil:	The study does not need to be conducted because the substance is readily biodegradable
Results of PBT and vPvB assessment	According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT(persistent/ bioaccumulative/toxic) criteria or the vPvB(very persistent/very bioaccumulative) criteria. Self classification.

SECTION 13: Disposal considerations

Waste disposal methods:	Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal..
Precautions for waste disposal:	Refer to relevant national and local laws and regulations before disposal. Environmental pollution should be avoided during disposal. See section 8 for security precautions for disposition personnel.

SECTION 14: Transport information

UN number:	None
UN proper shipping name:	None
Transport hazard class(es):	None



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Packing group: None
Special precautions: Not applicable.
Marine pollutant (Yes/No): No.

SECTION 15: Regulation information

International Chemical Inventory

Component: 1,3-Propanediol

EINECS	Listed
TSCA	Listed
DSL	Listed
IECSC	Listed
NZIoC	Listed
PICCS	Listed
KECI	Listed
AICS	Listed

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulation: Not applicable.

SECTION 16: Other information

Training advice: No supplementary information available
Revision information: New SDS
Issue date: 01/09/2025
Other information: No supplementary information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in



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any process, unless specified in the text. All items may have unknown hazards. Although some hazards are described in the text, we cannot guarantee that these are the only hazards that exist. Therefore, they should be used with caution

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

LD50: Lethal dose, for 50% of test population

NOAEL: No observed adverse effect level

EINECS: European Inventory of Existing Commercial Chemical Substances.

TSCA: United States Toxic Substances Control Act Inventory.

DSL: Canadian Domestic Substances List.

IECSC: China Inventory Of Existing Chemical Substances.

NZIoC: New Zealand Inventory of Chemicals.

PICCS: Philippines Inventory of Chemicals and Chemical Substances.

KECI: Existing and Evaluated Chemical Substances.

AICS: Australia Inventory of Chemical Substances.