

1. IDENTIFICATION

Product Name Polyether Polyol

Other Names DEP-330N; Glycerol poly(oxyethylene, oxypropylene) ether; Glycerol, ethoxylated and propoxylated; KONIX FA-703;

KONIX KE-810; LEP-330N; SANNIX FA-703; WANOL F3135; WANOL F3147; WANOL F3160; YD-3031; YD-330N

Uses Base material for polyurethane. For industrial use only.

Chemical Family No Data Available
Chemical Formula Unspecified

Chemical Name Glycerol, propylene oxide, ethylene oxide polymer

Product Description No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation Location Telephone

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Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled



Globally Harmonised System

Hazard Classification NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of

Chemicals (GHS)

Signal Word None

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods

by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Glycerol, propylene oxide, ethylene oxide polymer	Unspecified	9082-00-2	<=100 %
May contain: Antioxidant (BHT)	C15H24O	128-37-0	0 - <0.1 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. Get medical advice/attention. Never

give anything by mouth to an unconscious person.

Eye IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting

the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye

irritation persists, get medical advice/attention, preferably an ophthalmologist.

Skin IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation

occurs, get medical advice/attention.

Inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms

persist, get medical advice/attention.

Advice to Doctor Treat symptomatically. First Aid responders should pay attention to self-protection and use the recommended protective

clothing (see SECTION 8).

*Following cases of gross overexposure, investigation of liver, kidney and eye function may be advisable.

Medical Conditions Aggravated by No information available.

Exposure

5. FIRE FIGHTING MEASURES

General Measures If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

Flammability Conditions Combustible liquid; may burn but does not ignite readily.

Fire and Explosion Hazard Containers may explode when heated.

Hazardous Products of

Combustion

Fire may produce irritating, corrosive and/or toxic gases, including Carbon dioxide, Carbon monoxide, oxides of Nitrogen

and traces of hydrogen cyanide.

Special Fire Fighting Instructions

Contain runoff from fire control or dilution water - Runoff may cause pollution.

Personal Protective Equipment

Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only

provide limited protection.

Flash Point >150 - 235 °C

Lower Explosion Limit No Data Available

Upper Explosion Limit No Data Available

Auto Ignition Temperature No Data Available

Hazchem Code No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames). Do not touch or walk

through spilled material. Avoid breathing mist/vapours and contact with eyes, skin and clothing.

Clean Up Procedures Absorb with earth, sand or other non-combustible material and transfer to a suitable container for disposal (see SECTION

13).

Containment Stop leak if you can do it without risk. Prevent entry into waterways, drains or confined areas.

Decontamination Do not flush away residues with water - Retain as contaminated waste.

Environmental Precautionary

Measures

Prevent entry into soil, drains and waterways.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

7. HANDLING AND STORAGE

Handling Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure

adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/aerosols and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Keep away from heat and all sources of ignition - No smoking. Lines should be purged with

Nitrogen before and after transfer.

Storage Store in a cool, dry and well-ventilated place (<35 °C). Keep containers tightly closed when not in use. Protect from

sunlight. Protect from moisture/moist atmosphere (hygroscopic). Keep away from heat and all sources of ignition - No

smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10).

*Nitrogen blanket recommended for large tanks.

Container Keep in the original container or suitable materials. Do not store in Copper, Copper alloys. Tanks must be clean, dry and

rust-free; Tanks should be fitted with heating coils in areas where the ambient temperature is below the recommended

handling temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General No exposure standards are available for this product.

COMPONENT: 2,6-Di-tert-butyl-p-cresol (CAS No. 128-37-0): - Safe Work Australia Exposure Standard: TWA = 10 mg/m3

Exposure Limits No Data Available

Biological Limits No information available.

Engineering Measures A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust

ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection Equipment

- Respiratory protection: Not required under normal conditions of use. If vapours form, respirators must be used. Recommended: Full-mask respirator with filter type ABEK (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side-quards or chemical splash goggles.
- $\ Hand\ protection: Handle\ with\ gloves.\ Recommended: Impervious\ gloves,\ e.g.\ PVC,\ Neoprene\ rubber,\ Nitrile\ rubber.$
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Work clothes

with long sleeves (chemical resistant).

Special Hazards Precaustions

No information available.

Work Hygienic Practices

Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Appearance Clear liquid

Odour Odourless to mild, specific

Colour Colourless/Light pH 5.0 - 8.0

Vapour Pressure Negligible at ambient temperature (@ No Data Available)

Relative Vapour Density No Data Available

Boiling Point Decomposes before boiling [Literature]

Melting Point<0 °C (Pour point)</th>Freezing PointNo Data Available

Soluble in acetone, methanol

Specific Gravity 1.02 - 1.04 (Water = 1)

Flash Point >150 - 235 °C **Auto Ignition Temp** No Data Available **Evaporation Rate** No Data Available **Bulk Density** No Data Available **Corrosion Rate** No Data Available **Decomposition Temperature** No Data Available Density No Data Available **Specific Heat** No Data Available **Molecular Weight** No Data Available **Net Propellant Weight** No Data Available **Octanol Water Coefficient** No Data Available **Particle Size** No Data Available **Partition Coefficient** No Data Available **Saturated Vapour Concentration** No Data Available

Viscosity 900 - 910 mPa.s (@ 25 °C)

No Data Available

Volatile Percent No Data Available
VOC Volume No Data Available

Additional Characteristics No information available.

Potential for Dust Explosion Not applicable.

Vapour Temperature

Fast or Intensely Burning

Characteristics

No information available.

Flame Propagation or Burning

Rate of Solid Materials

No information available.

Non-Flammables That Could Contribute Unusual Hazards to a No information available.

Fire

Properties That May Initiate or Contribute to Fire Intensity

Combustible liquid; may burn but does not ignite readily.

Reactions That Release Gases or

Vapours

Fire/decomposition may produce irritating, corrosive and/or toxic gases, including Carbon dioxide, Carbon monoxide,

oxides of Nitrogen and traces of hydrogen cyanide.

Release of Invisible Flammable

Vapours and Gases

No information available.

10. STABILITY AND REACTIVITY

General Information The reaction of polyols and isocyanates generates heat.

Chemical Stability Stable under normal conditions.

Conditions to Avoid Keep away from heat and all sources of ignition. Protect from moisture.

Materials to Avoid Incompatible/reactive with oxidising materials, strong acids, strong bases, avoid unintended contact with isocyanates.

Hazardous Decomposition Decomposition Decomposition

Products products can include Carbon dioxide, alcohols, ethers, hydrocarbons, ketones, polymer fragments.

Hazardous Polymerisation Polymerises exothermically with disocyanates at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

General Information

Information on possible routes of exposure:

- Ingestion: Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Based on physical properties, not likely to be an aspiration hazard.
- Eye contact: May cause slight temporary eye irritation. May cause slight temporary corneal injury.
- Skin contact: Prolonged skin contact is unlikely to result in absorption of harmful amounts. Prolonged exposure not likely to cause significant skin irritation. May cause more severe response if skin is abraded (scratched or cut). Material may be handled at elevated temperatures; contact with heated material may cause thermal burns. Did not cause allergic skin reactions when tested in guinea pigs [for component(s) tested].
- Inhalation: At room temperature, exposure to vapour is minimal due to low volatility; single exposure is not likely to be hazardous. Vapour from heated material or mist may cause respiratory irritation.

Chronic effects: Based on available data, repeated exposures are not anticipated to cause significant adverse effects. In vitro genetic toxicity studies were negative [for component(s) tested].

Acute

Ingestion Acute toxicity (Oral):

- LD50, Rat: >2,000 mg/kg [Estimated].

Other Acute toxicity (Dermal):

- LD50, Rabbit: >2,000 mg/kg [Estimated].

Carcinogen Category None

12. ECOLOGICAL INFORMATION

Ecotoxicity Aquatic toxicity:

- Acute toxicity, Fish: Expected to have low toxicity, LC/EC/IC50: >1,000 mg/L

- Acute toxicity, Invertebrates: Expected to have low toxicity, LC/EC/IC50: >100 mg/L
 - Acute toxicity, Algae: Expected to have low toxicity, LC/EC/IC50: >1,000 mg/L

- Acute toxicity, Microorganisms: Expected to have low toxicity, LC/EC/IC50: >100 mg/L

Persistence/Degradability No information available.

Mobility Due to the low n-octanol-water partition coefficient, an adsorption on the sediment is not to be expected.

Environmental FateSmall particles may have physical effects on aquatic and terrestrial organisms. Prevent entry into soil, drains and

waterways.

Bioaccumulation Potential Does not bioaccumulate significantly.

Environmental Impact No Data Available

13. DISPOSAL CONSIDERATIONS

General Information Recover or recycle if possible. Dispose of contents/container in accordance with local/regional/national regulations.

Special Precautions for Land Fill Contaminated packaging: May be recycled after cleaning, or disposed of as above.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name Polyether Polyol

Class C2 Combustible Liquids - Flash Point >93°C, Closed Cup, Not Excluded Flammable

Subsidiary Risk(s) No Data Available

No Data Available

UN NumberNo Data AvailableHazchemNo Data AvailablePack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (Malaysia)

ADR Code

Proper Shipping Name Polyether Polyol
Class No Data Available
Subsidiary Risk(s) No Data Available
No Data Available

UN NumberNo Data AvailableHazchemNo Data AvailablePack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (New Zealand)

NZS5433

UN Number

Hazchem
Pack Group

Proper Shipping Name Polyether Polyol
Class No Data Available
Subsidiary Risk(s) No Data Available
No Data Available

No Data Available No Data Available No Data Available

Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (United States of America)

US DOT

Proper Shipping Name
Polyether Polyol
Class
No Data Available
Subsidiary Risk(s)
No Data Available
No Data Available

UN NumberNo Data AvailableHazchemNo Data AvailablePack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport

IMDG Code

Proper Shipping Name Polyether Polyol No Data Available Class Subsidiary Risk(s) No Data Available **UN Number** No Data Available Hazchem No Data Available **Pack Group** No Data Available **Special Provision** No Data Available **EMS** No Data Available

Marine Pollutant No

Comments NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport

IATA DGR

Proper Shipping NamePolyether PolyolClassNo Data AvailableSubsidiary Risk(s)No Data AvailableUN NumberNo Data AvailableHazchemNo Data AvailablePack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods ClassificationNOT Dangerous Goods according to the Criteria of the Australian Code for the Transport of Dangerous Goods

by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information No Data Available
Poisons Schedule (Aust) Not Scheduled

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code Not Hazardous

National/Regional Inventories

Australia (AIIC) Listed

Canada (DSL) Listed

Canada (NDSL) Not Determined

China (IECSC) Listed

Europe (EINECS) Not Determined

Europe (REACh) Not Determined

Japan (ENCS/METI) Listed

Korea (KECI) Listed

Malaysia (EHS Register) Not Determined

New Zealand (NZIoC) Listed

Philippines (PICCS) Not Determined

Switzerland (Giftliste 1) Not Determined

Switzerland (Inventory of Notified

Substances)

Not Determined

Taiwan (NCSR) Not Determined

USA (TSCA) Listed

16. OTHER INFORMATION

Related Product Codes

POLYHE2001, POLYPG1101, POLYPG1104, POLYPG1105, POLYPG1150, POLYPG1154, POLYPG1155, POLYPG1160, POLYPG1162, POLYPG1182, POLYPG1183, POLYPG1184, POLYPG5225, POLYPG5250, POLYPG8100, POLYPG8125, POLYPG8150, POLYPG8300, POLYPG8325, POLYPG8350, POLYSP1000, POLYSP1001, POLYSP1002, POLYSP1003, POLYSP1100, POLYSP1200, POLYSP1205, POLYSP1400, POLYSP1500, POLYSP2000, POLYSP2020, POLYSP2000, POLYSP2500, POLYSP2520, POLYSP2600, POLYSP3000, POLYSP3500, POLYSP4000, POLYSP4500, POLYSP4700, POLYSP4800, POLYSP5000, POLYSP5100, POLYSP5150, POLYSP5151, POLYSP5200, POLYSP5400, POLYSP6000, POLYSP6400, POLYSP6500, POLYSP6600, POLYSP7000, POLYSP7500, POLYSP8000, POLYSP8100, POLYSP8125, POLYSP8150, POLYSP8500, POLYSP9000, POLYSP9500

4 Revision

Revision Date 16 Jul 2021 Reason for Issue **Update SDS** < Less Than Key/Legend > Greater Than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square Centimetres CO2 Carbon Dioxide

COD Chemical Oxygen Demand deg C (°C) Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Farenheit

g Grams

g/cm³ Grams per Cubic Centimetre

g/I Grams per Litre

HSNO Hazardous Substance and New Organism **IDLH** Immediately Dangerous to Life and Health immiscible Liquids are insoluable in each other.

inHg Inch of Mercury inH20 Inch of Water

K Kelvin kg Kilogram

kg/m³ Kilograms per Cubic Metre

Ib Pound

LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

Itr or L Litre m³ Cubic Metre mbar Millibar mg Milligram

mg/24H Milligrams per 24 Hours mg/kg Milligrams per Kilogram

mg/m³ Milligrams per Cubic Metre

Misc or Miscible Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH20 Millimetres of Water mPa.s Millipascals per Second

N/A Not Applicable

NIOSH National Institute for Occupational Safety and Health **NOHSC** National Occupational Heath and Safety Commission

OECD Organisation for Economic Co-operation and Development

Oz Ounce

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion ppm Parts per Million

ppm/2h Parts per Million per 2 Hours ppm/6h Parts per Million per 6 Hours

psi Pounds per Square Inch

R Rankine

RCP Reciprocal Calculation Procedure

STEL Short Term Exposure Limit TLV Threshold Limit Value tne Tonne TWA Time Weighted Average ug/24H Micrograms per 24 Hours UN United Nations wt Weight