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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier:	Glycerine
1.2 Relevant identified uses of the substance or mixture and uses advised against:	Relevant identified Use(s): As solvent, humectant, plasticiser, emollient, cosmetics, liquid soaps, liqueurs, confectioneries, printing and copying inks and lubricants. It is used in the manufacture of elastic glues, lead oxide cements; as antifreeze, in shock absorber fluids. Uses advised against:
1.3 Details of the supplier of the Safety Data Sheet:	Bevie Handcraft NZ Limited, Address: 328 Rosedale Road, Albany, Auckland, New Zealand Telephone: +64 9 415 1206 Email: customerservice@bevie.co
1.4 Emergency telephone number:	Telephone number: +64 9 415 1206 Opening Hours: 7.30am to 4.30pm, Monday to Thursday; 8.00am to 2pm Friday

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture 2.1.1 Classification according to Hazardous Substances and New Organisms (HSNO) 2.1.2 Classification according to Globally Harmonised System (GHS) Non-hazardous. Health injuries are not known or expected under normal use. Adverse ecological effects are not known or expected. 2.1.3 Additional information	
2.2 Label elements Labelling according to GHS	
Hazard pictogram(s):	
Signal Word:	
Hazard Statement(s):	
Precautionary Statement(s):	Prevention: Response: If in contact with eyes, rinse thoroughly. Storage:
2.3 Other hazards	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance	CAS #	Proportion	Classification according to HSNO
Glycerine	56-81-5	> 90%	

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Following inhalation:	Remove to fresh air. Encourage patient to blow nose to ensure clear passage of breathing. Other measures are usually unnecessary. If symptoms persist, call a doctor.
Following skin contact:	If skin or hair contact occurs flush skin and hair with running water (and soap if available). Seek medical attention in the event of irritation.
Following eye contact:	If this product comes in contact with eyes wash out immediately with water. If irritation continues, seek medical attention.
Following Ingestion:	Rinse mouth. Give a glass of water. First aid is not generally required. If unwell or in doubt, contact the Poison Centre (0800 764 766) or a doctor.
Self protection of the first aider:	

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media:	Suitable extinguishing media: In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions: water, water spray, dry powder, foam, carbon dioxide (CO ₂).
5.2 Special hazards arising from the substance or mixture:	Hazardous combustion products: Combustible. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke. Mists containing combustible materials may be explosive. Combustion products include: carbon dioxide (CO ₂), other pyrolysis products typical of burning organic material. May emit poisonous fumes of Acrolein if heated above 280°C. Acrolein appears as a colourless gas in smoke and is highly toxic. It causes severe irritation to exposed skin, eyes and the nasal passage. May emit corrosive fumes.
5.3 Advice for fire-fighters:	Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus.

	Prevent spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Avoid spraying water onto liquid pools. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result. Firefighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots and gloves).
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel	Protective equipment: Increase ventilation. Move upwind. May be slippery when spilt. Avoid walking through the spill. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Personnel involved in the clean-up should wear full protective clothing. Emergency procedures:
6.1.2 For emergency responders	
6.2 Environmental precautions:	Do NOT let product reach drains or waterways. If a significant amount does enter a waterway advise your local waste authority.
6.3 Methods and material for containment and cleaning up	
6.3.1 For containment:	Stop leak if safe to do so. Dyke spill. If possible, pump into a suitable tank for disposal. Otherwise, absorb the spill with an inert material. Collect in a labelled chemical waste container and seal for disposal.
6.3.2 For cleaning up:	Wash spill area with plenty of water after removal of contaminant.
6.3.3 Other information:	
6.4 Reference to other sections	

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:	Protective measures: Wear appropriate eye and skin protection. Do not eat, drink or smoke when handling chemicals. Wash thoroughly after handling. Keep packaging closed until ready for use. Measures to prevent fire: Measures to prevent aerosol and dust generation: Measures to protect the environment:
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	Advice on general occupational hygiene:
7.2 Conditions for safe storage, including any incompatibilities:	Technical measures and storage conditions: Packaging materials: Requirements for storage rooms and vessels: Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations. Storage class: Further information on storage condition:
7.3 Specific end use(s):	Recommendations: Industrial sector specific solutions:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters			
8.1.1 Occupational exposure limits:			
Substance	CAS Registry Number	TWA (mg/m ³)	STEL
Glycerin (mist)		10 mg/m ³	
Information on monitoring procedures:			
DNEL/DMEL and PNEC-Values:			
8.2 Exposure controls			
8.2.1 Appropriate engineering controls:			
8.2.2 Personal protection equipment:	Eye and face protection: Use chemical goggles or safety glasses with side shields if splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area. Skin protection: Wear impervious protective clothing, including covered shoes, nitrile rubber gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Respiratory Protection: If engineering controls are inadequate to prevent exposure, use a P2/P95 type particulate respirator. Refer to AS/NZS 1715:2009 and AS/NZS 1716:2012.		

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	Thermal hazards:
8.2.3 Environmental exposure controls:	Remove vapours and mist as necessary. Refer to the 'Local exhaust ventilation' guide found on the WorkSafe New Zealand website.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colourless, viscous liquid, with syrupy, sweet taste.
Odour:	
Odour threshold:	
pH (1% solution):	7
Melting point:	18
Initial boiling point and boiling range:	290
Flashpoint:	160-199
Evaporation rate:	Non Volatile
Flammability (solid, gas):	
Upper/ lower flammability or explosive limits:	19/3
Vapour pressure:	<0.1
Relative Vapor Density(air=1):	3.17
Solubility in water:	Miscible
Partition coefficient: n-octanol/water:	
Auto-ignition temperature:	370
Decomposition temperature:	290
Viscosity:	No data available
Explosive properties:	
Oxidising properties:	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	
10.2 Chemical stability:	Product is stable under normal conditions of use, storage and temperature.
10.3 Possibility of hazardous reactions:	
10.4 Conditions to avoid:	Avoid excessive heat, direct sunlight, static discharges, moisture and freezing and high temperatures. Keep containers dry and

	tightly closed to avoid moisture absorption and contamination.
10.5 Incompatible materials:	Avoid reaction with strong oxidising agents, alkali metal hydrides, potassium chlorate and potassium permanganate as an explosive or violent reaction may occur.
10.6 Hazardous decomposition products:	Thermal decomposition can lead to release of carbon oxides. Generates Acrolein when heated above 280°C.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Toxicity:	Acute Oral Toxicity, Rat, LD50: >5000 mg/kg. Acute Dermal Toxicity, LD50: >5000 mg/kg. Inhalation: No data available.
Skin corrosion/irritation:	Skin contact is not expected to have harmful health effects.
Eye damage/ irritation:	Eye contact may cause mild irritation and redness.
Respiratory or skin sensitisation:	The material is not thought to produce adverse health effects or irritation of the respiratory tract.
Germ cell mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Not classified or listed by IARC, NTP, or Cal Prop65
Reproductive toxicity:	Not expected to cause adverse reproductive effects.
Summary of evaluation of the CMR properties:	
STOT-single exposure:	
STOT-repeated exposure:	
Aspiration hazard:	No information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:	
Acute (short-term) toxicity:	Non-hazardous in the aquatic environment.
Chronic (long-term) toxicity:	Fish, (Carassius auratus), 24hr LC50: >5000 mg/L Crustacean, (Daphnia magna), 24hr EC50: >10000 mg/L Algae: No reliable data available.
12.2 Persistence and degradability:	Readily biodegradable under aerobic conditions. 100% of glycerine is expected to end up in the water phase.
12.3 Bioaccumulative potential:	Log Kow: -1.76. Glycerine is expected to have a low potential for sorption to soil and is not expected to bioaccumulate. Calculated bioconcentration factor: 3.162. DO NOT discharge into sewer or waterways.
12.4 Mobility in soil:	Completely soluble.
12.5 Results of PBT and vPvB	

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assessment	
12.6 Other adverse effects	
12.7 Additional information	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Recycle wherever possible. Consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. Dispose of by: Burial in a licensed landfill or incineration in a licensed apparatus (after admixture with suitable combustible material). Empty contaminated packaging should be taken for local recycling, recovery or waste disposal. Plastic packaging should not be incinerated in an uncontrolled manner.
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SECTION 14: TRANSPORT INFORMATION

14.1 UN number:	
14.2 UN proper shipping name:	
14.3 Transport hazard class(es):	
14.4 Packing group:	
14.5 Environmental hazards:	
14.6 Special precautions for user:	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG. Not classified as a Dangerous Good under NZS 5433:2020 Transport of Dangerous Goods on Land.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture: None, not hazardous. Glycerine, CAS 56-81-5, is listed on the following inventories: NZIoC, TSCA, AIIC, DSL This product does not need to be labelled in accordance with EC directives or respective national laws.
15.2 Chemical Safety Assessment:

SECTION 16: OTHER INFORMATION

16.1 Indication of changes:	
16.2 Key Literature references and sources for data:	NEW ZEALAND POISON CENTRE 0800 POISON (0800 764 766) NZ EMERGENCY SERVICES: 111

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16.3 Legal Disclaimer:

The information contained in this safety data sheet was obtained from current and reliable sources. This data is supplied without warranty, expressed or implied, regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

End of SDS