

MICROCARE DB (GEOGARD221) – SAFETY DATA SHEET

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

PRODUCT IDENTIFIER

Product Name	Microcare - DB (Geogard221)
Other Names	Microcare - DB
Recommended Use	Additive for cosmetic industry
CAS Number	Mixture


DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

GHS / HSNO Hazard Classification	6.1D	Acute oral toxicity - Category 4 Acute dermal toxicity - Category 4 Acute inhalation toxicity - Category 4
	6.4A	Eye irritation - Category 2
	9.2B	Hazardous to the aquatic environment - Category 4
	9.3C	-
	9.1D	-
HSNO Approval Number	HSR002503	
Hazard Nature	This product is classified as HAZARDOUS under HSNO criteria	
Pictogram(s)		
Signal Word	WARNING	
Hazard Statement(s)	H302	Harmful if swallowed.
	H332	Harmful if inhaled.
	H319	Causes serious eye irritation.
Prevention Statements(s)	P260 Do not breathe dust.	
Response Statement(s)	P301+P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage Statement(s)	Nil	
Disposal Statement(s)	Nil	

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Complex mixture. Dangerous components as follows:

CAS No.	Chemical Name	% [weight/volume]
100-51-6	Benzyl Alcohol	50 - 100%
520-45-6	Dehydroacetic Acid	2.5 - 10%

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

After inhalation	Supply fresh air; consult doctor in case of symptoms.
After skin contact	IF ON SKIN: wash with plenty of soap and water.
After eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists. Get medical advice/attention.

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

After swallowing	IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical treatment.
General information	If swallowed gastric irrigation with activated carbon

SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray jet, extinguishing powder, CO ₂ , foam
Specific Hazards	In case of fire, toxic incineration products may be released such as: Nitrogen oxide (NO _x), Carbon monoxide (CO)
Precautions for fire fighters and special protective equipment	Protective equipment: wear self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Wear protective clothing (see item 8). Keep unprotected persons away.
Environmental precautions	Do not allow product to enter waters without treatment in a (biological) water treatment plant.
Methods and materials for containment and cleaning up	Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically. Suitable binder: multi-purpose absorbent.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Ensure good exhaust ventilation at the workplace. Avoid air pollution at the workplace e.g. aerosol formation of product heating. Load carefully, avoid splashes. Risks to the safety and health of workers may not only be created by work involving chemical but, inter alia by work equipment and fitting-out of workplaces. Those risks shall be identified and evaluated.
Conditions for safe storage	Information about protection against explosion and fire: No special measures required.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure limit values	No data available
Biological limit values	No data available
Appropriate engineering controls	No data available
Personal Protective Equipment	
General information	In case of contamination devices to rinse eyes or skin immediately under running water must be available. Avoid contact with eyes. Wash hands during work breaks and at the end of the shift. Provide skin protection plan. The operators shall be instructed adequately. The workplace shall be inspected regularly by competent personnel.
Respiratory Protection	Filter A/P2. Use respiratory equipment if aerosol or mist is formed.
Eye Protection	Safety glasses with side protection (EN 166).
Hand/ Body Protection	Gloves: Chemical protective gloves according to DIN EN 374 with CE-labelling. Check the condition of protective gloves after each use for any damages like hole, cuts or tears. After use of gloves apply skin-cleaning agents and skin cosmetics. Materials of gloves: Nitrile rubber, NBR. Penetration time of glove material: Thickness: 0.4mm, break-through time: 480 min, material: Nitrile, permeation: level 6. Gloves made of the following materials are not suitable: Leather gloves. Gloves for mechanical protection do not provide protection against chemicals. Wear protective clothing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Melting point / freezing	Not determined
Colour	Yellow to amber mild	Boiling point	100 °C
Odour	Mild	Flash point	96 °C
Vapour pressure @ 20 °C	0.1 hPa (CAS: 100-51-6)	Auto ignition temperature	435 °C (CAS: 100-51-6)
Density @ 20 °C	1.04 – 1.08 g/cm ³	Self-ignition	Product is not self-igniting
Solubility	Fully miscible		

SECTION 10 STABILITY AND REACTIVITY

Chemical stability	Up to now, no dangers resulting from a reactivity of the mixture have been identified.
Conditions to avoid	No further relevant information available.
Hazardous decomposition products	None, if storage and handling is done according to specifications.
Hazardous reactions	No dangerous reactions known.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity: Harmful if swallowed or inhaled

LD/LC50 values that are relevant for classification:		
Oral	ATE	1435 mg/kg (calculated)
Dermal	ATE	> 2000 mg/kg (calculated)
Inhalation	ATE Nebel/Staube	4.8 mg/l, 4h (calculated)

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Causes serious eye irritation.

Sensitisation: Based on available date the classification criteria are not met.

Germ Mutagenicity: Based on available date the classification criteria are not met.

Reproductive toxicity: Based on available date the classification criteria are not met.

Carcinogenicity: Based on available date the classification criteria are not met.

STOT-single exposure: Based on available date the classification criteria are not met.

STOT-repeated exp: Based on available date the classification criteria are not met.

Aspiration Hazard: Based on available date the classification criteria are not met.

SECTION 12 ECOLOGICAL INFORMATION
12.1 Toxicity
Aquatic toxicity:
100-51-6 BENZYL ALCOHOL

EC ₅₀ / 72 h	> 100 mg/l (Pseudokirchneriella subcapitata) (OECD 201) REACH dossier
EC ₅₀ / 48 h	> 100 mg/l (Daphnia) (OECD 202) REACH dossier
LC ₅₀ / 96 h	460 mg/l (fathead minnow) (OECD 203) REACH dossier
NOEC / 21 d	51 mg/l (Daphnia) (OECD 211) literature

Evaluation: Based on the available data the classification criteria for hazard classes aquatic acute (short-term) toxicity are not fulfilled. Based on the available data the classification criteria for hazard classes aquatic chronic (long-term) toxicity are not fulfilled.

Toxicity on activated sludge organisms:
100-51-6 BENZYL ALCOHOL

 EC₅₀ / 16 h | > 658 mg/l (Activated Sludge)

Evaluation: If contaminated effluent water is properly entered into the sewage system, any interference with degrading activity of the activated organisms is not expected.

12.2 Persistence and Biodegradability
Biodegradability:
100-51-6 BENZYL ALCOHOL

OECD 301 A DOC Die-Away-Test	95-97 % (Activated Sludge) (OECD 301 A) literature
OECD 301 C MITI	92-96 % (Activated Sludge) (OECD 301 C) literature

520-45-6 DEHYDROACETIC ACID

OECD 301 C MITI | 91 % (Activated Sludge) (OECD 301 C)

Evaluation: The component(s) is (are) rapidly biodegradable.

12.3 Bioaccumulative Potential
BCF / LogKow:
100-51-6 BENZYL ALCOHOL

OECD 305 Bioconcentration Factor BCF	1.37 BCF (-) literature
OECD 107 Log Kow (shake flask method)	1.1 (n-Octanol/water) (OECD 107) REACH dossier

520-45-6 DEHYDROACETIC ACID

 OECD 305 Bioconcentration Factor BCF | 92 BCF (rainbow trout) (OECD 305) -
literature

12.4 Mobility in Soil: No further relevant information available

12.5 Results of PBT and vPvB assessment:

PBT: This mixture does not contain substances that meet the PBT-criteria of REACH, annex XIII

vPvB: his mixture does not contain substances that meet the vPvBT-criteria of REACH, annex XIII

12.6 Other adverse effects: Any other adverse effects on the environment are not expected.

12.7 Additional Information

Metals and their compounds according to Directive 2006/11/EC: None

European Water Framework Directive 2000/60/EC (WFD) dated 23.10.2000: This product does not contain any priority substances according WFD that require a water monitoring.

Absorbable organic halogen compounds (AOX – DIN EN ISO 9562): The product does not contain substances, which can influence the AOC of wastewater.

SECTION 13 DISPOSAL CONSIDERATION

Product	Must be specially treated under adherence to official regulations.
Contaminated packaging	Remove all product from packaging and clean thoroughly before recycling.

SECTION 14 TRANSPORT INFORMATION

Transport	Road & Rail	Marine	Air
UN number	Not classified.	Not classified.	Not classified.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	-	-	-
Special precautions for user	-	-	-
Not dangerous goods.			

SECTION 15 REGULATORY INFORMATION

15.1 *Safety, health and environmental regulations/legislation specific for the substance or mixture.*
 Australia Inventory of Chemical Substances (AICS) All ingredients are listed.
 Information about limitation of use: Take note of Directive 94/33/EC on the protection of young people at work.
 Take note of Directive 92/85/EC on the safety and health of pregnant women at work.
 Australian Poison Schedule: Not scheduled.
 New Zealand EPA Approval in HSR 002503
 Indication of VOC: VOC according to Directive 2010/75/EC: VOC-value: 87% (calculated).

A chemical safety assessment has not been carried out on this product.

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

v00: 12/ 02/ 2018 Microcare DB SA181 1119052016

v01: 22.04.2021 – added GHS classifications. Updated to current address and added PN contact details.