

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### Company Identification

Registered Company Name	Organic Bioactives Ltd, New Zealand
Address	Tasman Building, Suite B, Level 1, 16-22 Anzac Ave, Auckland 1010, New Zealand
Phone	+64 (21) 224 6992
Email	<a href="mailto:compliance@organicbioactives.com">compliance@organicbioactives.com</a>
Web	<a href="http://www.organicbioactives.com">www.organicbioactives.com</a>
Emergency Telephone Number	National Poison Information centre New Zealand: Phone <b>0800-764766</b>   NZ Emergency Services: 111

### Product Identification

Product Name	<b>ZeaDerMX® CO New Zealand Green tea leaf Extract</b>
Product Code	<b>ZDMX-CO</b>
Relevant Identified uses	Cosmetic actives, Personal care use and external use only.
Common Chemical Name	Gree tea leaf extract
Chemical Family	Botanical Extract
INCI	Camellia Oleifera seed oil & Camellia Sinensis Leaf
REACH Restriction	Exempt from registration ex Annex V
HS Code	1302.19.90

## Section 2: CAS Numbers and COMPOSITION

INCI	% [weight]	CAS No	EINECS
Camellia Oleifera seed oil	86 -92%	94333-93-4	305-073-5
Camellia Sinensis Leaf	8 - 14%	84650-60-2	283-519-7

## Section 3: PHYSICAL AND CHEMICAL PROPERTIES

Product Form	Slightly viscous mobile liquid
Solubility	Insoluble in water
Colour	Golden green
Odour	Standard to the plant
pH @24°C	Not available
Density @20°C	0.91 to 0.93
Viscosity @20°C	Not available
Boiling Point	Not available
Flash Point	>240
Melting Point	-5 deg C

## Section 4: HAZARD IDENTIFICATION

Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not classified as hazardous according to criteria of Safe Work Australia; **NONHAZARDOUS SUBSTANCE.**

Label elements	GHS classification according to Regulation (EC) No 1272/2008
Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; <b>NON-DANGEROUS GOODS.</b>	

<b>Poisons Schedule</b>	None allocated.
-------------------------	-----------------

### Section 5: POTENTIAL HEALTH EFFECTS

No specific symptoms known

<b>Eyes</b>	If in eyes, wash out immediately with water. Not classified to be irritant but undiluted may irritate eyes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
<b>Inhalation</b>	Not classified to be irritant.
<b>Skin contact</b>	Not classified to be irritant.
<b>Ingestion</b>	Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

### Section 6: COMPOSITION/ INFORMATION OF INGREDIENTS

<b>Brief description of a product</b>	Camellia Sinensis Leaf; Camellia Oleifera seed oil based
<b>Hazardous components</b>	There are NO hazardous components according to EC criteria.
<b>Prevention</b>	Wash hands thoroughly after handling. Wear gloves and eye/face protection.
<b>Response</b>	If irritation occurs: seek medical attention.

### Section 7: FIRST AID MEASURES

<b>Eye contact</b>	Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin contact</b>	Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.
<b>Ingestion</b>	Do NOT induce vomiting. Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poison Centre (0800 764766) or a doctor.
<b>Inhalation</b>	If fumes or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.

### Section 8: FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	In case of fire, use Carbon dioxide, foam or dry powder. DO NOT USE A DIRECT WATER JET.
<b>Fire Fighting</b>	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.

Fire Explosion Hazard	May produce Carbon dioxide and unidentified organic compounds.
Personal Protective Equipment	Wear Self-Contained Breathing Apparatus (S.C.B.A.) and full protective clothing to minimise skin exposure. Avoid inhalation of vapours. Keep containers cool with water spray. Do not use direct water jet on burning material. Do not allow spillage of fire to enter drains or watercourses.

### Section 9: ACCIDENTAL RELEASE MEASURES

Emergency procedures	Shut off all possible sources of ignition. Avoid inhalation, skin and eye contact. Ensure proper ventilation. Evacuate all unnecessary personnel. If possible contain the spill. If contamination of sewers or waterways has occurred advise local emergency services.
Minor Spills	Slippery when spilt. Remove all ignition sources. Contain and clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labelled container for waste disposal.
Major Spills	Slippery when spilt. Wear breathing apparatus plus protective gloves. Prevent spillage from entering drains or water courses. No smoking, naked lights or ignition sources. Increase ventilation. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Absorb remaining product with sand, earth or vermiculite. Collect solid residues and seal in labelled drums for disposal. If large quantities of this material enter the waterways, contact the EPA or your local Waste Management Group. Personal Protective Equipment advice is contained in <b>Section 11 of the SDS</b>
Environmental precautions	Do not discharge directly into drains or the soil. Keep away from surface and ground water.

### Section 10: HANDLING AND STORAGE

Handling	Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Use good occupational work practice. Observe manufacturer's storing and handling recommendations. Do not allow clothing wet with material to stay in contact with skin.
Suitable Container	Original packaging. Metal can or drum. Check all containers are clearly labelled and free from leaks.
Storage Incompatibility	Avoid contact with incompatible materials that support combustion, such as strong oxidising agents.

Storage Requirements	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.
Precautions for safe handling	Use PPE all the time and always follow GMP when handling and decanting.

### Section 11: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls	No exposure standards have been established for this material by Work safe Australia. However as a matter of course avoid repeated or prolonged contact with the skin. Keep out of eyes. Do not ingest. Use with good ventilation, do not breathe vapour. Sensitive individuals may develop an allergic response.
Engineering Controls	Natural ventilation should be sufficient, however where vapours of mists are generated the use of a grounded mechanical exhaust ventilation system is recommended.
Personal Protection Equipment (PPE)	<b>Respiratory protection:</b> Not generally required. Use inhalation protection in poorly ventilated areas. <b>Skin Protection:</b> Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Refer to AS/NZS 2161.1:2000 Occupational Protective Gloves – Selection, use and maintenance. <b>Eye Protection:</b> Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

### Section 12: STABILITY AND REACTIVITY

Chemical stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to avoid	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to air.
Incompatible materials	Avoid reaction with strong oxidising agents and from highly alkaline or acidic material.
Environmental exposure controls	Emissions from ventilation and process equipment should be checked to ensure compliance with environmental protection legislation.
Hazardous decomposition products	During combustion may form carbon monoxide, carbon dioxide and unidentified organic compounds.

### Section 13: TOXICOLOGICAL INFORMATION

Potential Health Effects	<b>ACUTE HEALTH EFFECTS:</b> <b>Swallowed:</b> May be harmful if swallowed. LD50 oral (rat) - 8560 mg/kg <b>Eye:</b> May irritate eyes. <b>Skin:</b> May cause skin irritation. <b>Inhaled:</b> No data available.
Chronic Health Effects	No data available.
Toxicity and Irritation Data	<b>Acute toxicity</b> May be harmful if swallowed. LD50 oral (rat) - 8560 mg/kg

Carcinogenic effects	No data available.
Mutagenic effects	No data available.
Reproductive or developmental effects	No data available.
Aspiration hazard	No data available.
Specific target organ toxicity	No data available.

#### Section 14: ECOLOGICAL INFORMATION

Ecotoxicity	No data available. Avoid soil, surface water and water-bearing stratum contamination.
Persistence and Biodegradability	No data available.

#### Section 15: DISPOSAL CONSIDERATIONS

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 land-fill 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.

Do not discharge into drains, surface and ground water.

#### Section 16: TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG.

Not classified as a Dangerous Good under NZS 5433:2007 Transport of Dangerous Goods on Land.

#### Section 17: REGULATORY INFORMATION

Non-hazardous.

Camellia Oleifera seed oil CAS Number 94333-93-4, EINECS 305-073-5

Camellia Sinensis Leaf CAS Number 84650-60-2, EINECS 283-519-7

A chemical safety assessment has not been carried out

#### Section 18: OTHER INFORMATION

NEW ZEALAND POISON CENTRE 0800 POISON (0800 764 766)

NZ EMERGENCY SERVICES: 111

The information contained in this Safety Data Sheet is obtained from current and reliable sources. OB 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.

#### Section 19: DISCLAIMER

No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for use of this product.