CASTOR OIL ORGANIC – SAFETY DATA SHEET

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

PRODUCT IDENTIFIER

Product name	Castor Oil Organic

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	21b Akatea Road, Glendene, Auckland 0602 New Zealand
Telephone	+649 8135619
Website	www.pureingredients.co.nz
Email	info@pureingredients.co.nz

EMERGENCY TELEPHONE NUMBER

Emergency telephone numbers	111 / 0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

HSNO Classification: 6.3B, 6.4A

Signal Word: WARNING

Hazard Statement: May cause skin irritation, Causes eye irritation.

Prevention: Wash hands and

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

INCI	Ricinus communis	CAS No	8001-79-4	%	100

SECTION 4 FIRST AID MEASURES

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

Inhalation	If inhaled, remove to fresh air. If breathing is difficult, give oxygen and keep at rest in a position comfortable for breathing. If symptoms persist seek medical attention.
Ingestion	Rinse mouth and give a drink of water. Do not induce vomiting. If large amounts have been ingested or if in doubt call a Poison Centre (0800 764 766) or seek medical advice.
Skin Contact	Wash skin thoroughly with soap and plenty of water. Get medical attention if symptoms persist. Wash clothing before
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. 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 irritation persist seek medical advice.
Main Symptoms caused by Exposure	Can cause mild and transient eye discomfort. Allergic skin reaction and mild irritation may occur in susceptible individuals.
Note to Physician	Treat symptomatically. For advice in an emergency, contact a Poison Centre (0800-764-766).

SECTION 5 FIREFIGHTING MEASURES

Extinguishing Media	For small fires use dry chemical powder. Water or foam may cause frothing. For large fires use water fog or foam. Do not use water jet.
Fire Fighting	Alert Fire Brigade and tell them location and nature of hazard. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Wear breathing apparatus plus protective gloves. Prevent spillage from entering drains or water courses. 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: Combustible liquid.
HAZARDS FROM COMBUSTION PRODUCTS: On burning will emit toxic fumes including carbon oxides, nitrogen oxides, and Acrolein over 300°C.
PERSONAL PROTECTIVE EQUIPMENT: Fire fighters 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

Only fully trained personnel should be involved in handling chemicals. Personal Protective Equipment advice is contained in Section 8 of the SDS.

Minor Spills	Clean up all spills immediately. Remove all ignition sources. Wear protective clothing, impervious gloves and safety glasses. Avoid contact with skin and eyes. Wipe up and absorb small quantities with vermiculite or other absorbent material. Transfer to a suitable container and seal for disposal. Wash spill area with water. Refer to major spills.
Major Spills	Personnel involved in the clean-up should wear full protective clothing. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid splashing and generating spray or mist. Stop leak if safe to do so. Cover drains with a drain mat. Absorb liquid with an inert material such as dry sand, earth, vermiculite and place in a suitable container. Remove with vacuum trucks or pump to a specific container for later disposal. Do NOT let product reach drains or waterways. If product does enter a waterway, advise your local Waste Authority. Collect in a labelled chemical waste container and seal for disposal. Use spark-proof tools and equipment. Wash spill area with plenty of water after removal of contaminant.

SECTION 7 HANDLING AND STORAGE

Procedure for Handling	Operators should be trained in procedures for safe use of this material. Use good occupational work practice. Avoid generating and breathing spray or mist. Avoid contact with skin and eyes. Avoid contact with incompatible materials. Avoid all ignition sources. Avoid sources of heat. Avoid physical damage to containers. Handle and open container with care. Use in a well-ventilated area. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices. Take precautionary measures against static discharges by bonding and grounding equipment.
Suitable Packaging	Original packaging. Check all packaging is clearly labelled and free from leaks.
Storage Incompatibility	Avoid storage with oxidizing agents and sources of ignition. Avoid temperature extremes.
Storage Requirements	Store in original packaging. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area between 10°C and 35°C. Protect containers against physical damage and check regularly for leaks.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls	No exposure limits set by Worksafe New Zealand or Safe Work Australia.
Engineering Controls	VENTILATION SYSTEM 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. Refer to 'A simple guide to local exhaust ventilation' found on the WorkSafe New Zealand website.
Personal Protection Equipment (PPE)	Personal Respirators Not generally necessary for this substance. An approved dust mask e.g. A P1 respirator, is recommended when using this product in dusty conditions. If oil particles (e.g. Lubricants, cutting fluids, glycerine, etc.) Are present, use a NIOSH type R or P filter. For more information see Australian/New Zealand Standard, AS/NZS 1715:2009 and AS/NZS 1716:2012. If in doubt, seek expert occupational hygiene advice. Skin Protection Wear gloves and protective clothing, including boots, 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. Dispose of contaminated gloves after use. Eye Protection Use approved chemical safety goggles and/or a full face shield where splashing is possible. Refer to Personal eye protection Part 1: Eye and face protectors for occupational applications, Australian/New Zealand Standard: AS/NZS 1337.1:2010. Maintain eye wash fountain in work area. Other Ensure there is ready access to an emergency shower.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, light yellow viscous liquid		
State	Liquid	Molecular Weight	Not available
Odour	Characteristic	Melting Range (°C)	Not available
pH (1% solution)	Not available	Boiling Range (°C)	Not available
pH (as supplied)	Not available	Solubility in Ethyl Alcohol	Completely soluble without turbidity
Refractive Index @40°C	1.470 – 1.475	Bulk Density	Not available
Viscosity Poise	6.0 – 9.0	Volatile Component (%vol)	Not available
Lower Explosive Limit (%)	Not available	Relative Vapor	Not available
Upper Explosive Limit (%)	Not available	Vapour Pressure (kPa)	Not available
Decomposition Temp (°C)	Not available	Autoignition Temp (°C)	Not available
Viscosity	Not available	Evaporation Rate	Not available

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SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions of use, storage and temperature.

Conditions To Avoid: Avoid excessive heat, direct sunlight, static discharges, and moisture, freezing and high temperatures. Keep containers dry and tightly closed to avoid moisture absorption and contamination.

Incompatible Materials: Incompatible with strong oxidizing agents and sources of ignition.

Hazardous Decomposition Products: Thermal decomposition can lead to release of carbon oxides, nitrogen oxides, and Acrolein over 300°C.

Hazardous Reactions: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS

Swallowed: May cause gastro-intestinal irritation. Ingestion of large amounts may cause nausea, vomiting and stomach pain.
Eye: May cause redness, hyperaemia, chemosis, pain and discharge.
Skin: May cause mild skin irritation and rash or allergic reaction in some individuals.
Inhaled: Inhalation may result in irritation of the respiratory tract.

CHRONIC HEALTH EFFECTS

Repeated or prolonged contact with skin may cause dermatitis.

TOXICITY AND IRRITATION DATA

Toxicity
Acute Oral Toxicity, Rat, LD50: >5000 mg/kg
Acute Dermal Toxicity, LD50: No data available.
Acute Inhalation Toxicity, LC50: No data available.
Irritation/ corrosion
Eyes: Irritating to eyes.
Skin: Mildly irritating to skin.

Sensitisation (respiratory/contact): No data available.
Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH. Mutagenic effects: No data available.
Reproductive or developmental effects: Not available.
Aspiration hazard: No data available.
Specific target organ toxicity: No data available.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: Not expected to be a hazard to the environment.
ECOTOXICITY DATA: Fish, 96hr LC50: No data available.
Crustacean, EC50: No data available.
Alga, EC50: No data available.

Persistence and Degradability: Expected to be readily biodegradable. Mobility: No data available.
Bioaccumulation: No data available.
Products of Biodegradation: No data available.
Toxicity of the Products of Biodegradation: No data available. Special Remarks on the Products of Biodegradation: No data available.

DO NOT discharge into sewer or waterways.

SECTION 13 DISPOSAL CONSIDERATION

Disposal of Hazardous Substances is subject to the Resource Management Act and Council By-Laws in addition to HSNO requirements. Do not dispose with household rubbish.

PRODUCT

Recycle wherever possible. Special hazard may exist - specialist advice may be required.

The product may be treated so that it is no longer hazardous by a means other than dilution. This includes incineration at an approved site or burial in a landfill in such a manner that it will not lead to any adverse health effects to any person or exceed any TEL (tolerable exposure limit) set by the Authority for this substance.

Treatment in a biological wastewater treatment system with prior approval and arrangement is also permissible providing that the substance is rendered non-hazardous and does not pose any adverse effects to human health or the environment. Alternatively consult an approved Waste Management company for disposal options. This substance may be exported from New Zealand as waste.

PACKAGING

Recycle wherever possible. Special hazard may exist - specialist advice may be required. Packaging should be rendered incapable of containing any material. Puncture containers to prevent re-use and bury at an authorised landfill. Empty containers may be decontaminated. The residual contents of the package must be diluted to below the thresholds for the respective hazard and the diluted residue is 1% or less of the volume of the package. Alternatively, consult an approved Waste Management company for disposal options or dispose of at an approved waste disposal facility. Observe all label safeguards until containers are cleaned and destroyed. Where possible retain label warnings and SDS and observe all notices pertaining to the product.

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SECTION 14 TRANSPORT INFORMATION

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

SECTION 15 REGULATORY INFORMATION

REGULATIONS
Classified as hazardous according to the criteria of the New Zealand Hazardous Substances and New Organisms Act.
This product has been assigned to the following Group Standard by Interchem Agencies Limited: Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006 using 'User Guide to the Thresholds and Classifications under the Hazardous Substances and New Organisms Act 1996' March 2006 v2.0

EPA Approval number: HSR002503
Certified handler, tracking and location compliance certification regulations do not apply.
Secondary containment is not required.

For HSNO controls and Health and Safety at Work regulations for this substance refer to New Zealand EPA and Worksafe websites.
Castor oil (CAS: 8001-79-4) is found on the following chemical inventories:
TSCA, AICS, DSL, NZIoC

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.

References:
Manufactures Safety Data Sheet

Version: 02 Revision Date: 22/ 07/ 2019: PIL SA082, SA062 SDS, New issue.

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