

Safety Data Sheet

in accordance with EPA and WORKSAFE regulations

Print date: 17.08.2023

Revision date: 17.08.2023

1 Identification of the substance or mixture and of the supplier

Product Name: Danish Oil

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Wood finishing oil

Details of Manufacturer or Importer:

GMR Imports
4 Bute St, Invercargill
Southland, 9810 New Zealand

Phone Number: 0800 800 718

Emergency telephone number: 0800 800 718

2 Hazards identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Health and Safety at Work (Hazardous Substances) Regulations 2017, New Zealand.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.



Flame

Flammable Liquids 3 H226 Flammable liquid and vapour.



Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



Skin Corrosion/Irritation 2 H315 Causes skin irritation.

Eye Irritation 2 H319 Causes serious eye irritation.

Skin Sensitisation 1 H317 May cause an allergic skin reaction.

Signal Word Warning

Hazard Statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see on this label).
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition/Information on ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 64742-48-9	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304	60-75%
CAS: 623-40-5	2-Pentanone oxime Flammable Liquids 4, H227	≤5%
CAS: 67-56-1	Methanol ⚠ Flammable Liquids 2, H225; ⚠ Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; ⚠ Toxic To Reproduction 2, H361; STOT RE 1, H372; ⚠ Eye Irritation 2, H319	≤0.15%
CAS: 55965-84-9	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) ⚠ Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; ⚠ Skin Corrosion/Irritation 1B, H314; ⚠ Aquatic Chronic 1, H410 (M=100); ⚠ Skin Sensitisation 1, H317	<0.1%
CAS: 13586-82-8	Hexanoic acid, 2-ethyl-, cobalt salt ⚠ Respiratory Sensitisation 1, H334; Carcinogenicity 1, H350; Toxic To Reproduction 1, H360; STOT RE 1, H372; ⚠ Eye Irritation 2, H319; Skin Sensitisation 1, H317	<0.1%

4 First aid measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if irritation develops and persists.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

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Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire fighting measures

Suitable Extinguishing Media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, oxides of nitrogen and smoke.

Product is flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Prevent run-off from fire fighting entering drains or water courses.

HAZCHEM Code: 3Y

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Inform respective authorities in case of seepage into water course or sewage system.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material.

Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 Handling and storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours or mists. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container, tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents.

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8 Exposure controls/personal protection	
Exposure Standards:	
CAS: 67-56-1 Methanol	
WES	STEL: 328 mg/m ³ , 250 ppm TWA: 262 mg/m ³ , 200 ppm skin, bio

Engineering Controls:
Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

Respiratory Protection:
Use an approved mixed type organic vapour / particulate respirator (types A and P) under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and chemical properties	
Appearance:	
Form:	Liquid
Colour:	Yellow
Odour:	Paraffinic
Odour Threshold:	No information available
pH-Value:	<7
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	38 °C
Flammability (solid, gas):	Not applicable
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density at 20 °C:	0.84
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No information available

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10 Stability and reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen and smoke.

11 Toxicological information

Toxicity:

LD50/LC50 Values:		
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	LD50	>5,000 mg/kg (Rattus norvegicus (rat))
	LD50	>3,000 mg/kg (Oryctolagus cuniculus (rabbit))
CAS: 67-56-1 Methanol		
Inhalation	LC50/4 h	83.8 mg/l (Rattus norvegicus (rat))
CAS: 55965-84-9 Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2Hisothiazol-3-one (3:1)		
Oral	LD50	67 mg/kg (Rattus norvegicus (rat))
Inhalation	LC50/4 h	0.17 mg/l (Rattus norvegicus (rat))

Acute Health Effects

Inhalation: May cause respiratory irritation.

Skin: Causes skin irritation. May cause an allergic skin reaction.

Eye: Causes serious eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

Skin Corrosion / Irritation: Causes skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Based on classification principles, the classification criteria are not met.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:
Repeated or prolonged skin exposure may cause de-fatting of the skin, dermatitis and possible sensitisation. Inhalation of very high vapour concentrations or prolonged exposure may cause CNS effects, kidney and liver damage.

Existing Conditions Aggravated by Exposure: No information available

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12 Ecological information

Ecotoxicity:**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects.

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

LC50/96 h 2,200 mg/l (Pimephales promelas (fathead minnow))

LC50/48 h >1,000 ppm (Leuciscus idus (orfe; ide))

CAS: 67-56-1 Methanol

LC50/96 h 13,500-17,600 ppm (Lepomis macrochirus (bluegill))

19,500-20,700 ppm (Oncorhynchus mykiss (rainbow trout))

LC50/96 h 28,200 mg/l (Pimephales promelas (fathead minnow))

CAS: 55965-84-9 Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2Hisothiazol-3-one (3:1)

EC50/48 h 0.12 mg/l (Daphnia magna (water flea))

EC50/72 h 0.048 mg/l (Chlorophyta (green algae))

EC50/3 h 7.92 mg/l (Activated sludge)

LC50/96 h 0.32 mg/l (Lepomis macrochirus (bluegill))

0.22 mg/l (Oncorhynchus mykiss (rainbow trout))

Persistence and Degradability: No data available on finished product.**Bioaccumulative Potential:** No data available on finished product.**Mobility in Soil:** No data available on finished product.**Other adverse effects:** No further relevant information available.

13 Disposal considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number**NZS, IMDG, IATA** UN1263**Proper Shipping Name****NZS, IMDG, IATA** PAINT RELATED MATERIAL, ENVIRONMENTALLY HAZARDOUS**Dangerous Goods Class****NZS 5433:** 3**Packing Group:****NZS, IMDG, IATA** III**Marine pollutant:** Yes**EMS Number:** F-E,S-E**Hazchem Code:** 3Y**Excepted quantities (EQ):** E1

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Limited Quantities: 5L

15 Regulatory information

HSNO Approval Code / Group Standard:

Surface Coatings and Colourants (Flammable) Group Standard 2020

HSNO Approval Number: HSR002662

New Zealand Inventory of Chemicals All ingredients are listed.

16 Other information

Date of Preparation or Last Revision: 17.08.2023**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

WES: Workplace Exposure Standard

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

Flammable Liquids 4: Flammable liquids – Category 4

Acute Toxicity (Oral) 3: Acute toxicity – Category 3

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2: Serious eye damage/eye irritation – Category 2

Respiratory Sensitisation 1: Respiratory sensitisation, Hazard Category 1

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Carcinogenicity 1: Carcinogenicity – Category 1

Toxic To Reproduction 1: Reproductive toxicity – Category 1

Toxic To Reproduction 2: Reproductive toxicity – Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)' and Hazardous Substances (Safety Data Sheets) Notice 2020.

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