

1. IDENTIFICATION

Product Name:	Paraffin Wax
Other Names:	Fully refined paraffin wax; Hydrotreated paraffin wax; Paraffin Wax FR; Semi Refined Paraffin Wax
Uses:	Applications in construction and roads; Manufacture of explosives; Polymer processing; Production and processing of rubber; use as binders and release agents, as fuel, functional fluids; Intermediate; laboratory use, in lubricants and coatings.
Chemical Family:	No data available
Chemical Formula:	Unspecified
Chemical Name:	Paraffin waxes (petroleum), hydrotreated
Product Description:	No Data Available
Contact Information:	

Organisation	Location	Telephone	Ask For
Adelaide Moulding and Candle Supplies	7 Woodlands Terrace Edwardstown South Australia 5039	08 8294 0451	SDS Officer
Poisons Information Centre		13 11 26	

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust):	Not Scheduled
Globally Harmonised System	
Hazard Classification:	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Signal Word	None

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Chemical Entity	Formula	CAS Number	Proportion
Paraffin Waxes (petroleum), hydrotreated	Unspecified	64742-51-4	<=100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed:	IF SWALLOWED: Rinse mouth, then give small quantities of water to drink. Get medical advice/attention if you feel unwell. Do not induce vomiting unless directed to do so by medical personnel.
Eye:	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

Skin:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention. *In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. Removal of solidified molten material from skin requires medical assistance.
Inhaled:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Advice to Doctor:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. *Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Medical Conditions Aggravated by Exposure:	No information available.

5. FIRE FIGHTING MEASURES

General Measures:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions:	Combustible material; May burn but does not ignite readily.
Extinguishing Media:	Use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction - Do not use water jets. Use of water on molten product may lead to steam eruptions causing molten product to be ejected.
Fire and Explosion Hazard	Solids may melt and flow when heated or involved in a fire.
Hazardous Products of Combustion:	Fire may produce dense smoke and irritating/toxic fumes, including Carbon oxides.
Special Fire Fighting Instructions:	Contain runoff from fire control or dilution water - Runoff may cause pollution.
Personal Protective Equipment:	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
Flash Point:	>190 °C [Open cup]
Lower Explosion Limit:	No Data Available
Upper Explosion Limit:	No Data Available
Auto Ignition Temperature:	No Data Available
Hazchem Code:	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure:	No action shall be taken involving any personal risk or without suitable training. Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material - Slippery on floors, especially when wet! Avoid generating dust. Avoid breathing dust/fume and contact with eyes, skin and clothing.
Clean Up Procedures:	Collect material and seal in suitable, properly labelled containers for disposal (see SECTION 13). *For molten material, allow to solidify.
Containment:	Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud.
Decontamination: Environmental Precautionary Measures:	After spills, wash area, preventing run off from entering drains. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.
Evacuation Criteria	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
Personal Precautionary Measures:	Use personal protective equipment as required (see SECTION 8).

7. HANDLING AND STORAGE

Handling:	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust/fumes from heating operations and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Avoid contact with incompatible materials.
Storage:	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10). Use appropriate containment to avoid environmental contamination.
Container:	Keep in the original container. Do not store in unlabelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General:	For Paraffin wax (fume): - Safe Work Australia Exposure Standard: TWA = 2 mg/m ³ - New Zealand Workplace Exposure Standard: TWA = 2 mg/m ³ - NIOSH REL: TWA = 2 mg/m ³
Exposure Limits:	No Data Available
Biological Limits:	No information available
Engineering Measures:	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.
Personal Protection Equipment:	- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Organic vapour/particulate respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side-shields or chemical goggles, as appropriate. - Hand protection: Handle with gloves. Recommended: Chemical-resistant gloves. For hot/molten product, wear heat insulated protective gloves. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls or similar protective apparel, preferably with an apron; Closed shoes or safety boots, as appropriate.
Special Hazards Precautions:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Work Hygienic Practices:	Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Remove contaminated clothing and protective equipment before entering eating areas. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Appearance:	Waxy solid (prills, pellets or slabs)
Odour:	Odourless to slight, characteristic
Colour:	White to slightly yellowish or amber
pH:	No Data Available
Vapour Pressure:	Negligible (@ No Data Available)
Relative Vapour Density:	No Data Available
Boiling Point:	Decomposes
Melting Point:	50 - 82 °C
Solubility:	Negligible solubility in water
Specific Gravity:	0.87 - 0.92 (Water = 1)
Flash Point:	>190 °C [Open cup]
Auto Ignition Temperature:	No Data Available
Evaporation Rate:	No Data Available
Bulk Density:	No Data Available
Corrosion Rate:	No Data Available
Decomposition Temperature:	No Data Available
Density:	No Data Available
Specific Heat:	No Data Available
Molecular Weight:	No Data Available

Net Propellant Weight:	No Data Available
Octanol Water Coefficient:	Log Pow: 4.7 - >6.7
Particle Size:	No Data Available
Partition Coefficient:	No Data Available
Saturated Vapour Concentration:	No Data Available
Vapour Temperature:	No Data Available
Viscosity:	No Data Available
Volatile Percent:	No Data Available
VOC Volume:	No Data Available
Additional Characteristics:	No information available.
Potential for Dust Explosion:	No information available.
Fast or Intensely Burning Characteristics:	No information available.
Flame Propagation or Burning Rate of Solid Materials:	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire:	Use of water on molten product may lead to steam eruptions causing molten product to be ejected.
Properties That May Initiate or Contribute to Fire Intensity:	Combustible material; May burn but does not ignite readily.
Reactions That Release Gases or Vapours:	Fire/decomposition may produce dense smoke and irritating/toxic fumes, including Carbon oxides.
Release of Invisible Flammable Vapours and Gases:	No information available.

10. STABILITY AND REACTIVITY

General Information:	Under normal conditions of storage and use, hazardous reactions will not occur.
Chemical Stability:	The product is stable under normal conditions of use.
Conditions to Avoid:	Avoid overheating. Keep away from heat and sources of ignition.
Materials to Avoid:	Incompatible/reactive with strong oxidisers, strong caustics.
Hazardous Decomposition Products:	Fire/decomposition may produce dense smoke and irritating/toxic fumes, including Carbon oxides.
Hazardous Polymerisation:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

General Information:	Information on possible routes of exposure: - Ingestion: Not expected to be harmful if swallowed; large amounts may cause nausea and vomiting. - Eye contact: Not expected to be harmful at room temperature. Contact with powder may cause mechanical irritation. At elevated temperatures, fume may be mildly irritating. - Skin contact: Not expected to be harmful at room temperature. Prolonged or repeated contact may cause irritation. Contact with molten substance may cause severe burns. - Inhalation: At room temperature there are no vapours and no inhalation hazard. If overheated, fume/vapours may cause irritation of the nose, throat and lungs; and may cause headaches, nausea, loss of coordination. Chronic effects: Respiratory problems may arise from continued poor handling practice.
Acute Ingestion	Acute toxicity (Oral): - LD50, Rat: >2,000 mg/kg [Supplier's SDS].
Carcinogen Category:	None

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No information available.
Persistence/Degradability:	No information available.
Mobility:	Insoluble in water.
Environmental Fate:	Slightly water polluting substance - Prevent entry into drains and waterways.
Bioaccumulation Potential:	No information available.

Environmental Impact: No Data Available

13. DISPOSAL CONSIDERATIONS

General Information: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Special Precautions for Land Fill: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues.

14. TRANSPORT INFORMATION

General Information Substances transported or offered for transport at elevated temperatures:
 UN3257: ELEVATED TEMPERATURE LIQUID, N.O.S., at or above 100 °C and below its flash-point (Class 9, PG-III).

Air

IATA

Proper Shipping Name: Paraffin Wax
Class: No Data Available
Subsidiary Risk(s): No Data Available
UN Number: No Data Available
Hazchem: No Data Available
Pack Group: No Data Available
Special Provision: No Data Available
Comments: NON-DANGEROUS GOODS: Not regulated for AIR transport.

Land

Australia: ADG Code

Proper Shipping Name: Paraffin Wax
Class: No Data Available
Subsidiary Risk(s): No Data Available
EPG: No Data Available
UN Number: No Data Available
Hazchem: No Data Available
Pack Group: No Data Available
Special Provision: No Data Available
Comments: NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea

IMDG Code

Proper Shipping Name: Paraffin Wax
Class: No Data Available
Subsidiary Risk(s): No Data Available
UN Number: No Data Available
Hazchem: No Data Available
Pack Group: No Data Available
Special Provision: No Data Available
EMS: No Data Available
Marine Pollutant: No
Comments: NON-DANGEROUS GOODS: Not regulated for SEA transport.

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15. REGULATORY INFORMATION

General Information: No Data Available

Poisons Schedule (Aust): Not Scheduled

National/Regional Inventories

Australia (AIC) Listed

Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	265-154-5
Europe (REACH)	Listed
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined

Switzerland (Inventory of Notified

Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes:	PARWAS1000, PARWAS1001, PARWAS1002, PARWAS1003, PARWAS1004, PARWAS1005, PARWAS1006,
	PARWAS1007, PARWAS1008, PARWAS1009, PARWAS1200, PARWAS1201, PARWAS1202, PARWAS1203,
	PARWAS2000, PARWAS2200, PARWAS2400, PARWAS3000, PARWAS3500, PARWAS4000, PARWAS4500,
	PARWAS5800, PARWAX0158, PARWAX0160, PARWAX0200, PARWAX0201, PARWAX0300, PARWAX0600,
	PARWAX0800, PARWAX1000, PARWAX1001, PARWAX1002, PARWAX1003, PARWAX1004, PARWAX1005,
	PARWAX1006, PARWAX1007, PARWAX1008, PARWAX1009, PARWAX1010, PARWAX1011, PARWAX1012,
	PARWAX1013, PARWAX1014, PARWAX1015, PARWAX1016, PARWAX1017, PARWAX1100, PARWAX1101,
	PARWAX1102, PARWAX1199, PARWAX1200, PARWAX1201, PARWAX1202, PARWAX1203, PARWAX1204,
	PARWAX1205, PARWAX1206, PARWAX1207, PARWAX1208, PARWAX1209, PARWAX1210, PARWAX1211,
	PARWAX1212, PARWAX1213, PARWAX1214, PARWAX1215, PARWAX1216, PARWAX1300, PARWAX1301,
	PARWAX1302, PARWAX1303, PARWAX1304, PARWAX1305, PARWAX1400, PARWAX1401, PARWAX1402,
	PARWAX1403, PARWAX1404, PARWAX1405, PARWAX1500, PARWAX1501, PARWAX1600, PARWAX1800,
	PARWAX2000, PARWAX2001, PARWAX2002, PARWAX2200, PARWAX2300, PARWAX2400, PARWAX2500,
	PARWAX2501, PARWAX2700, PARWAX2800, PARWAX2875, PARWAX2950, PARWAX3000, PARWAX3001,
	PARWAX3002, PARWAX3003, PARWAX3004, PARWAX3005, PARWAX3006, PARWAX3010, PARWAX3011,
	PARWAX3500, PARWAX3501, PARWAX3502, PARWAX3600, PARWAX3601, PARWAX3602, PARWAX3700,
	PARWAX3800, PARWAX3900, PARWAX4000, PARWAX4100, PARWAX4200, PARWAX4300, PARWAX4400,
	PARWAX4500, PARWAX4600, PARWAX4700, PARWAX4850, PARWAX4900, PARWAX5000, PARWAX5001,
	PARWAX5002, PARWAX5200, PARWAX5500, PARWAX5600, PARWAX5800, PARWAX6000, PARWAX6001,
	PARWAX6100, PARWAX6101, PARWAX6200, PARWAX6300, PARWAX6400, PARWAX6600, PARWAX6601,
	PARWAX6650, PARWAX6660, PARWAX6700, PARWAX6800, PARWAX6801, PARWAX6825, PARWAX6850,
	PARWAX6900, PARWAX7000, PARWAX7050, PARWAX7100, PARWAX7200, PARWAX7300, PARWAX7400,
	PARWAX7500, PARWAX7501, PARWAX7600, PARWAX8000, PARWAX8001, PARWAX8002, PARWAX8100,
	PARWAX8200, PARWAX8201, PARWAX8300, PARWAX8301, PARWAX8400, PARWAX8401, PARWAX8500,
	PARWAX8501, PARWAX8600, PARWAX8700, PARWAX8701, PARWAX9000, PARWAX9500, PARWAX9501,
	PARWAX9600, PARWAX9601, PARWAX9700

Revision: 5

Revision Date: 01 Jan 2022

Key/Legend:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
atm	atmosphere
CAS	Chemical Abstracts Service Registry Number)
cm ²	Square Centimetres
CO ₂	Carbon Dioxide
COD	Chemical Oxygen Demand
deg C (°C)	Degrees Celcius
EPA (New Zealand)	Environmental Protection Authority of New Zealand
deg F (°F)	Degrees Farenheit
g	Grams

g/cm³	Grams per Cubic Centimetre
g/l	Grams per Litre
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
immiscible	Liquids are insoluble in each other
inHg	Inch of Mercury
inH₂O	Inch of Water
K	Kelvin
kg	Kilogram
kg/m³	Kilograms per Cubic Metre
lb	Pound
LC50	LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50	LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or L	Litre
m³	Cubic Metre
mbar	Millibar
mg	Milligram
mg/24H	Milligrams per 24 Hours
mg/kg	Milligrams per Kilogram
mg/m³	Milligrams per Cubic Metre
Misc or Miscible	Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm	Millimetre
mmH₂O	Millimetres of Water
mPa.s	Millipascals per Second
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
OECD	Organisation for Economic Co-operation and Development
Oz	Ounce
PEL	Permissible Exposure Limit
Pa	Pascal
ppb	Parts per Billion
ppm	Parts per Million
ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours
psi	Pounds per Square Inch
R	Rankine
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
tne	Tonne
TWA	Time Weighted Average
ug/24H	Micrograms per 24 Hours
UN	United Nations
wt	Weight

The information in this safety data sheet is to the best of our knowledge true and accurate, but all data, instructions, and recommendations and/or suggestions are made without guarantee.

The Material Safety Data Sheet is intended to provide information for a health and safety assessment of the material. This document is not intended for quality assurance purposes.