



All Australian Candle Making supplies and kits

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MATERIAL SAFETY DATA SHEET

Petroleum Wax range of products.

Not a Hazardous Substance according to the Criteria of the Australian NOHSC.

If in bulk at >100°C Liquid, then Dangerous Goods according to the ADG Code.

Section 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

All Australian Candle Making supplies and kits
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MATERIAL IDENTIFICATION

Product Name: **Petroleum & Natural Wax Range of Products**

Other Names This MSDS is for the **complete range** of Petroleum and Natural Wax Range of Products includes:

Paraffin Wax, Microcrystalline Wax(Microwax), MICRO, VIVAMELT and TUDAMELT range of petroleum waxes.

Various grades of hydrocarbon Waxes. Manufacturer's Product Codes

Use Industrial application.

Section 2. HAZARDS IDENTIFICATION

Emergency Overview: Waxy feeling solid, with a slight odour. May be transported in bulk as a hot molten liquid (see Dangerous Goods details following and Section 14). Will burn readily once ignited. No significant health or environmental hazards. May become a slip hazard if spilled.

Dangerous Goods Information: If transported or stored in bulk as a liquid >100°C, then classified as a Dangerous Good according to the ADG Code. UN No. 3257 Class 9 Sub Risk No Packing Grp III Hazchem 2W Shipping Name ELEVATED TEMPERATURE LIQUID, N.O.S.

Hazardous Substances Information: Not a Hazardous Substance according to the Criteria of the Australian NOHSC.

Poison Schedule Not Applicable

Signal Word Not Applicable

Acute Health Effects: Swallowed Not expected to be harmful if swallowed.

Eye at Room Temperature: Not expected to be harmful, may cause slight eye irritation.

Heated Product: May cause burns to the eye.

Skin at Room Temperature: Not expected to be harmful

Petroleum Wax range of products.

Issue: Petroleum Wax Products

Heated Product: May cause skin burns.

Inhaled at room temperature there are no vapours and no inhalation hazard.

If overheated: May cause irritation of the nose, throat and lungs; and may cause headaches, nausea and loss of co-ordination.

Chronic Health Effects

All Routes Respiratory problems may arise from continued poor handling practice.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name CAS No. Prop'n Risk Phrases as 100%

Paraffin Wax 8002-74-2 0-100% None

Microcrystalline Wax 63231-60-7 0-100% None

Slack wax (Petroleum) 64742-61-6 * 0-100% None *

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

* In the 1999 List of Designated Hazardous Substances, however No Risk Phrases are to be assigned as it meets the criteria in Note N and is NOT a hazardous substance.

Section 4. FIRST AID MEASURES

Swallowed: If product enters the mouth, thoroughly wash mouth with water, then give some water to drink. Further measures should not be necessary.

Eye: If this product comes into contact with eyes, hold open and wash with running water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained.

Skin: If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again.

Hot Molten Product: If molten material comes into contact with skin, do not attempt to remove. Cool with cold running water for at least 15 minutes, wrap loosely with wet towel or bandage and take to hospital or doctor.

Inhaled: If hot fumes are inhaled, remove to fresh air. Keep at rest until fully recovered. If unusual symptoms develop, seek medical attention.

First-Aid Facilities Eye wash and safety shower, plus normal washroom facilities nearby. Advice to Doctor Treat symptomatically.

Other Sources of Information

Poisons Information Centres in Australia can provide additional assistance for many chemical products, especially if classified as Scheduled Poisons. Phone: Australia 13-1126.

Section 5. FIRE FIGHTING MEASURES

Fire or Explosion Hazard:

A combustible solid at room temperature. When heated whilst being processed and used, this product is a combustible liquid with a flashpoint >220°C. Not easily ignitable due to its high flash point, HOWEVER this material can ignite and burn under fire conditions.

Extinguishing

Media: Carbon dioxide, dry chemical, foam. DO NOT USE WATER. Use of water on molten product may lead to steam eruptions causing molten product to be ejected and thus adding to the fire load.

Combustion

Product Hazards

Carbon monoxide and smoke (if combustion is incomplete)

Special Protective

Precautions & Equipment

Move containers from the fire area if it can be done without risk.

Decomposition products are toxic. Fire-fighters may need to wear self contained breathing apparatus.

Section 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures, Containment & Cleanup

In event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area, preventing run off from entering drains

See Disposal Considerations

Special Issues Slippery on floors, especially when wet.

Section 7. HANDLING and STORAGE

Safe Handling *Solid Product*: No special handling requirements.

As Hot Molten Liquid: Wear protective equipment. Keep away from ignition sources.

Make sure the product does not come into contact with materials listed in "Incompatible Materials".

Safe Storage *Solid Product*: Store in a well ventilated area. Store away from sources of heat or ignition, direct sunlight, strong oxidising agents and strong caustics. Keep containers closed at all times.

Hot Molten Product: Store at the minimum temperature to maintain in a molten state. Take care not to allow the product to solidify in equipment, as it may require significant time, heat and difficulty to reliquefy it. It is not recommended to store or transport at temperatures above 100°C to avoid oxidation, discolouration and Dangerous Goods issues.

If stored at over 100°C this product is a Class 9 Dangerous Good, UN 3257 ELEVATED TEMPERATURE LIQUID, Packing Group III, Hazchem 2W for bulk. The Dangerous Goods (Storage & Handling) Regulations in your State or Territory must be applied. See Section 14.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards

Exposure standards determined by the Australian National Occupational Health and Safety Commission.

Paraffin Wax (Fume) 2 mg/m³ TWA

This figure is unlikely to be approached unless the product is very hot. The other ingredients do not have an exposure standard.

Design and Engineering Control Measures

Use good ventilation to maintain the air concentration below the exposure standards. Air concentrations may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe airborne concentrations of mists, dusts or vapours are high you are advised to modify the process or environment to reduce the problem.

Personal Protective Equipment

Avoid skin and eye contact. Avoid inhaling heated vapour or fumes. The following personal protective equipment should be used:

Solid Product at Room Temperature:

(1). Protective gloves for handling product at room temperature is suggested to avoid unnecessary skin contact (e.g. rubber or plastic).

Hot Molten Product:

(1). Safety glasses with side shields, or chemical goggles as appropriate.

(2). Wear heat protective gloves.

(3). Closed shoes or safety boots as appropriate.

(4). Clean overalls or similar protective apparel, preferably with an apron.

(5). If a risk of vapour overexposure exists due to overheated product; use an organic vapour respirator meeting AS1715/1716.

Where applicable refer to the following Standards:

AS/NZS 1337 Eye protectors for industrial applications.

AS 2161 Industrial safety gloves and mittens.

AS 2210 Safety footwear.

AS 3765 Clothing for protection against hazardous chemicals.

AS 1715 Selection, use and care of respiratory protection devices.
AS 1716 Respiratory protection devices.
Always wash hands before smoking, eating, drinking or using the toilet.

Section 9. PHYSICAL and CHEMICAL PROPERTIES

Appearance and Odour Waxy feeling solid wax at room temperature.. Slight odour.

Can be transported as hot, molten liquid.

Chemical Formula (for the main ingredients) Not available

Melting Point / Boiling Point MP 45-120°C BP Not applicable, decomposes

Vapour Pressure Low at 200C. No data available

Specific Gravity 0.92 approx. at 20°C

Relative Vapour Density Not available (air=1)

Solubility Insoluble in water.

Percent volatile by volume Nil at 20°C

Ph Not applicable

Odour Threshold Not available

Saturated Vapour Conc'n Not available

Evaporation Rate <1 (Butyl Acetate = 1)

Water / Oil Partition

Co-efficient

log P(octanol/water) - (Not available)

Corrosiveness Not corrosive.

Flammable Properties

Flashpoint >220°C, (PMCC, ASTM D93)

Flammability Limits (FL) (%) Lower FL: - Upper FL: - (Not available)

Autoignition Temp Not available

Section 10. STABILITY and REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: Overheating the product near ignition sources.

Incompatible Materials:

Strong oxidizers, strong caustics.

Unsuitable Container

Materials: No particular incompatibilities.

Hazardous Decomposition Products:

If Overheated: Irritating fumes.

If Burnt: Carbon monoxide and smoke (if combustion is incomplete)

Hazardous

Reactions: Hazardous polymerisation will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Overall Product Toxicity Data:

Acute Oral Toxicity LD50 (rat): >2000 mg/kg

Section 12. ECOLOGICAL INFORMATION

General: No environmental issues expected.

Slightly water polluting substance. Avoid contaminating waterways.

Ecotoxicity Data: None available.

Persistence & Degradability -

Mobility: Insoluble in water.

Section 13. DISPOSAL CONSIDERATIONS

Disposal Methods & Containers:

Disposal to be in accordance with Local, State & Federal EPA waste regulations.

Recover or recycle the product if possible.

May be incinerated by an approved facility.

This material may be suitable for approved landfill.

Recycle containers wherever possible.
Special Precautions: -

Section 14. TRANSPORT INFORMATION

ROAD & RAIL: *If >100°C Liquid*, Dangerous Good according to the Australian Dangerous Goods Code.

UN No. 3257 Class 9 Sub Risk No Packing Grp III Hazchem 2W

Shipping Name ELEVATED TEMPERATURE LIQUID, N.O.S.

Extra Details At or above 100°C and below its flashpoint. When transported in bulk the Elevated Temperature Label shall be displayed a subsidiary risk label on the Emergency Information Panel (E.I.P.).

SEA: If transported over 100°C then classified as a Dangerous Good according to the International Maritime Dangerous Goods Code (IMDG Code).

Extra Details See IMDG Code.

AIR: If transported over 100°C then classified as a Dangerous Good according to the International Air Transport Association Dangerous Goods Regulations.

Extra Details See IATA Regulations.

Section 15. REGULATORY INFORMATION

Labelling:

Dangerous Goods (if >100°C Liquid): see Section 14

Not a Workplace Hazardous Substance or Scheduled Poison.

Packaging Must be in suitable packaging for handling, transport and storage that will withstand normal handling, under the expected weather conditions.

Australian Chemical Control Schemes

NICNAS - AICS All ingredients imported by AACM are on the Australian Inventory of Chemical Substances.

All other ingredients are Australian sourced, and are required to be on the Australian Inventory of Chemical Substances. This is being confirmed with Australian suppliers to AACM

Australian Pesticides & Vet. Medicines Authority - Ag & Vet Chemicals Not applicable

Therapeutic Goods Administration - Medicines Not applicable

Food Standards Australia New Zealand - Food Not applicable

Chemicals Weapons Act: Not applicable Ozone Depleting

Substance Act : Not applicable

Section 16. OTHER INFORMATION

Acronyms Used

ADG Code Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road and Rail

NOHSC Australian National Occupational Health and Safety Commission

CAS No. Chemical Abstracts Service Registry Number

UN No. United Nations Dangerous Goods Number

MSDS Code Used This MSDS has been prepared according to the National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)]

MSDS Dates and Revisions

MSDS Original Preparation Date : June 1996

MSDS Latest Revision Date : Minor revision May 2015

Key changes in Latest Revision : New MSDS Manager 2015, added VIVAMELT trade name.

MSDS APPROVED : May 2015

EMERGENCY : Australia 03 9 368 0088 (24 Hours)

This MSDS summarises to the best of our knowledge the health and safety hazard information on the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.