

Material Safety Data Sheets

Revision 2

1. IDENTIFICATION

Product Name	Paraffin Pastille
Other Names	Fully refined paraffin wax; Paraffin waxes and hydrocarbon waxes
Uses	Industrial application.
Chemical Family	No Data Available
Chemical Formula	Unspecified
Chemical Name	Paraffin Pastille
Company	Arman sina.co
Contact Information	info@armansina.com www.armansina.com

2. HAZARD IDENTIFICATION

Hazard Classification NOT hazardous

Symbol



3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Paraffin Wax	No Data Available	8002-74-2	100.0 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	If product enters the mouth, thoroughly wash mouth with water, then give some water to drink. Further measures should not be necessary. If symptoms develop, seek medical attention.
Eye	Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. In all cases of eye contamination, it is a sensible precaution to seek medical advice.
Skin	Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation persists, seek medical attention. 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.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient.
Medical Conditions Aggravated by Exposure	No information available on medical conditions aggravated by exposure to this product.

5. FIRE FIGHTING MEASURES

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	Product is a combustible solid at room temperature. When heated whilst being processed and used, this product is a combustible liquid with a flashpoint >220 deg 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.
Hazardous Products of Combustion	Carbon monoxide and smoke (if combustion is incomplete). Decomposition products are toxic.
Special Fire Fighting Instructions	Hazchem 2Y (for molten product) Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).
Flash Point	No Data Available
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	Avoid accidents, clean up immediately. Slippery when spilt. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment.
Clean Up Procedures	Contain and sweep/shovel up spills. Collect recoverable product into labelled containers for recycling or salvage. Transfer waste to a suitable, labelled container and dispose of promptly.
Containment	Stop leak if safe to do so. Isolate the danger area.
Decontamination	After spills, wash area, preventing run off from entering drains.
Environmental Precautionary Measures	Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management.
Evacuation Criteria	Evacuate all unnecessary personnel.

7. HANDLING AND STORAGE

Handling	<p>Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment.</p> <p>Solid Product: No special handling requirements.</p> <p>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 Section 10</p>
Storage	<p>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. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.</p> <p>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.</p> <p>If stored at over 100 deg C this product is a Class 9 Dangerous Good, UN 3257 ELEVATED TEMPERATURE LIQUID, Packing Group III, Hazchem 2Y for bulk. The Dangerous Goods (Storage & Handling) Regulations in your State or Territory must be applied.</p>
Container	<p>Store in original packaging as approved by manufacturer.</p>

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	<p>The following exposure standard has been established by The Australian Safety and Compensation Council (ASCC); Paraffin Wax (Fume) 8002-74-2 TWA = 2mg/m³ This figure is unlikely to be approached unless the product is very hot.</p> <p>The other ingredients do not have an exposure standard.</p> <p>NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.</p>
Exposure Limits	<p>No Data Available</p>
Biological Limits	<p>No information available on biological limit values for this product.</p>
Engineering Measures	<p>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. Adequate ventilation should be provided so that exposure limits are not exceeded.</p>
Personal Protection Equipment	<p>SOLID PRODUCT AT ROOM TEMPERATURE: HANDS: Protective gloves for handling product at room temperature is suggested to avoid unnecessary skin contact (eg: rubber or plastic) (AS2161).</p> <p>HOT MOLTEN PRODUCT: RESPIRATOR: If a risk of vapour overexposure exists due to overheated product; use an organic vapour respirator (AS1715/1716). EYES: Safety glasses with side shields, or chemical goggles (AS1336/1337). HANDS: Heat protective gloves (AS2161). CLOTHING: Clean overalls or similar protective apparel, preferably with an apron. Closed shoes or safety boots (AS3765/2210).</p>
Work Hygienic Practices	<p>Always wash hands before smoking, eating, drinking or using the toilet. Eye wash and safety shower, plus normal washroom facilities nearby.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	<p>Waxy solid.</p> <p>Can be transported as hot, molten liquid.</p>
Odour	Slight
Colour	No Data Available
pH	No Data Available
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available

Boiling Point	350°C
Melting Point	51-53°C
Freezing Point	No Data Available
Solubility	Insoluble
Specific Gravity	0.92 approx
Flash Point	200°C
Auto Ignition Temp	No Data Available
Evaporation Rate	<1 Butyl Acetate = 1
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	0% (20 degC)
VOC Volume	No Data Available
Additional Characteristics	Not corrosive.
Potential for Dust Explosion	Product is a combustible solid at room temperature.
Fast or Intensely Burning Characteristics	When heated whilst being processed and used, this product is a combustible liquid with a flashpoint >220 deg C. Not easily ignitable due to its high flash point, HOWEVER this material can ignite and burn under fire conditions.
Flame Propagation or Burning Rate of Solid Materials	No Data Available
Non-Flammables That Could Contribute Unusual Hazards to a Fire	No Data Available
Properties That May Initiate or Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or Vapours	No Data Available
Release of Invisible Flammable Vapours and Gases	No Data Available

10. STABILITY AND REACTIVITY

General Information	Combustible Solid. When heated whilst being processed and used, this product is a combustible liquid with a flashpoint >220 deg C. Not easily ignitable due to its high flash point, HOWEVER this material can ignite and burn under fire conditions.
Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	Overheating the product near ignition sources.
Materials to Avoid	Strong oxidizers, strong caustics.
Hazardous Decomposition Products	Carbon monoxide and smoke (if combustion is incomplete). If Overheated: Irritating fumes. Decomposition products are toxic.
Hazardous Polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	Acute Oral Toxicity LD50 (rat): >2000 mg/kg
	Chronic Health Effects All Routes: Respiratory problems may arise from continued poor handling practice.
Eyelrritant	At Room Temperature: Not expected to be harmful, may cause slight eye irritation. Heated Product: May cause burns to the eye.
Inhalation	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.
SkinIrritant	At Room Temperature: Not expected to be harmful Heated Product: May cause skin burns.
Carcinogen Category	No Data Available

12. ECOLOGICAL INFORMATION

Ecotoxicity	No Data Available
Persistence/Degradability	No Data Available
Mobility	Insoluble in water.
Environmental Fate	Slightly water polluting substance. Avoid contaminating waterways.
Bioaccumulation Potential	No Data Available
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local regulations. All empty packaging should be disposed of in accordance with Local Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice. Incinerate at an approved site following all local regulations. This material may be suitable for approved landfill. Recover or recycle the product if possible. Recycle containers wherever possible.

14. TRANSPORT INFORMATION

Land Transport

Proper Shipping Name	Paraffin Wax					
Class	No Data Available					
Subsidiary Risk(s)	No Data Available					
	No Data Available					
UN Number	No Data Available					
Hazchem	No Data Available					
Pack Group	No Data Available					
Special Provision	No Data Available					
Comments	Dangerous Goods Information; Please note - if >100°C liquid, Dangerous Good according to the ADG Code.					
	UN number	Class	Sub-Risk	Packing Grp	Hazchem	EPG EMS
	3257	9	N/A	III	2Y	15 F-A,S-P
	Shipping Name: ELEVATED TEMPERATURE LIQUID, N.O.S. (Paraffin waxes and Hydrocarbon waxes) Extra Details At or above 100 deg 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 Transport 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	Dangerous Goods Information; Please note - if >100°C liquid, Dangerous Good according to the ADG Code.					
	UN number	Class	Sub-Risk	Packing Grp	Hazchem	EPG EMS
	3257	9	N/A	III	2Y	15 F-A,S-P
	Shipping Name: ELEVATED TEMPERATURE LIQUID, N.O.S. (Paraffin waxes and Hydrocarbon waxes)					
	Extra Details At or above 100 deg 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.).					

Air Transport 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	Dangerous Goods Information; Please note - if >100°C liquid, Dangerous Good according to the ADG Code.				
	UN number	Class	Sub-Risk	Packing Grp	Hazchem
	3257	9	N/A	III	2Y
	Shipping Name: ELEVATED TEMPERATURE LIQUID, N.O.S. (Paraffin waxes and Hydrocarbon waxes) Extra Details At or above 100 deg 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.).				

15. OTHER INFORMATION

Revision	2
Key/Legend	<p>< Less Than > Greater Than atm Atmosphere CAS Chemical Abstracts Service (Registry Number) cm Square Centimetres CO2 Carbon Dioxide COD Chemical Oxygen Demand Degrees Celcius Degrees Farenheit g Grams g/cm 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 insoluable in each other. inHg Inch of Mercury inH2O Inch of Water K Kelvin kg Kilogram kg/m 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.</p>

ltr or L Litre
 m Cubic Metre
 mbar Millibar
 mg Milligram
 mg/24H Milligrams per 24 Hours
 mg/kg Milligrams per Kilogram
 mg/m 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
 NOHSC National Occupational Health and Safety Commission
 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