Section 1 – Identification of the Material and Supplier

E.D. Oates Pty Ltd
Trading as Research Products
13-21 Maygar Boulevard
Broadmeadows, Vic, 3047

Phone: 1300 669 686 (business hours)
Fax: (03) 9359 9509
Email: customerservice@oates.com.au
Website: www.oateslaboratories.com.au

Chemical nature: Wax in liquid hydrocarbon solution.

Trade Name: **SAFESTEP LIQUID**

Product Use: Paste wax floor polish for wooden floors.

Creation Date: **August, 2013**

This version issued: **September, 2016** and is valid for 5 years from this date.

Section 2 – Hazards Identification

GHS Pictogram

GHS07: Exclamation mark
GHS08: Health hazard

GHS Signal word: DANGER

HAZARD CLASSIFICATION

Germ cell mutagenicity.
Carcinogenicity.
Aspiration toxicity.

HAZARD STATEMENT:

H341: Suspected of causing genetic defects.
H351: Suspected of causing cancer.
AUH066: Repeated exposure may cause skin dryness or cracking.

PREVENTION

P102: Keep out of reach of children.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing fumes, mists, vapours or spray.
P264: Wash contacted areas thoroughly after handling.
P271: Use only in a well ventilated area.
P281: Use personal protective equipment as required.

RESPONSE

P331: Do NOT induce vomiting.
P362: Take off contaminated clothing and wash before reuse.
P363: Wash contaminated clothing before reuse.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: If exposed or concerned: Get medical advice.
P332+P313: If skin irritation occurs: Get medical advice.
P337+P313: If eye irritation persists: Get medical advice.

STORAGE

P402+P405: Store in a dry place. Store locked up.
P403+P235: Store in a well-ventilated place. Keep cool.

DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Emergency Overview

Physical Description & Colour: White paste.
Odour: Characteristic kerosene odour.
Major Health Hazards: Repeated exposure may cause skin dryness or cracking. Suspected of causing genetic defects. Suspected of causing cancer.

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.
Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be irritating, but is unlikely to cause anything more than mild transient discomfort.
Long Term Exposure: Repeated exposure may cause skin dryness or cracking.

Eye Contact:

Short Term Exposure: This product is believed to be mildly irritating, to eyes, but is unlikely to cause anything more than mild transient discomfort.
Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. This product, while believed to be not harmful, is likely to cause headache and gastric disturbance such as nausea and vomiting if ingested in significant quantities. However, this product is believed to be mildly irritating to mucous membranes but is unlikely to cause anything more than mild transient discomfort.
Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

Naphtha (petroleum), hydrotreated heavy is classified as Carcinogenic Substance Category 2 & Mutagenic Substance Category 2.

Section 3 – Composition/Information on Ingredients

Ingredients	CAS No	Conc., %	TWA (mg/m^3)	STEL (mg/m^3)
Naphtha (petroleum), hydrotreated heavy	64742-48-9	>80	not set	not set
Non hazardous wax blend	secret	<20	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 – First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.
Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed, while holding the eyelid(s) open. Obtain medical advice immediately if irritation occurs. Take special care if exposed person is wearing contact lenses.
Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 – Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. This product is classified as a C1 combustible product. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.
Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, foam.
Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. Cool closed, undamaged containers exposed to fire with water spray.

Flash point:	>63°C
Upper Flammability Limit:	5.3%
Lower Flammability Limit:	0.7%
Autoignition temperature:	No data.
Flammability Class:	C1

Section 6 – Accidental Release Measures

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7 – Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Storage: Note that this product is combustible and therefore, for Storage, meets the definition of Dangerous Goods in some states. If you store large quantities (tonnes) of such products, we suggest that you consult your state's Dangerous Goods authority in order to clarify your obligations regarding their storage.
Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Keep containers of this product in a well ventilated area. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 – Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	**TWA (mg/m^3)**	**STEL (mg/m^3)**

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.
Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.
Skin Protection: You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types.
Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.
Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.
Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 – Physical and Chemical Properties

Physical Description & colour:	White paste.
Odour:	Characteristic kerosene odour.
Boiling Point:	Approx 183°C at 100kPa.
Freezing/Melting Point:	No specific data. Paste at normal temperatures.
Volatiles:	No specific data. Expected to be low at 100°C.
Vapour Pressure:	Negligible at normal ambient temperatures.
Vapour Density:	No data.
Specific Gravity:	0.895
Water Solubility:	Negligible.
pH:	No data.
Volatility:	Negligible at normal ambient temperatures.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	No data.

Section 10 – Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated.
Incompatibilities: strong oxidising agents.
Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
Polymerisation: This product will not undergo polymerisation reactions.

Section 11 – Toxicological Information

For Naphtha (Petroleum), Hydrotreated Heavy:
Swallowed: Harmful if swallowed. Ingestion may cause lung damage if swallowed. Ingestion of this product will irritate gastric tracts causing nausea and vomiting. Aspiration into lungs may result in pneumonitis or pulmonary oedema.
Eye: Will causes eye discomfort, but will not injure eye tissue.
Skin: Prolonged and repeated skin contact may cause skin cracking and/or dermatitis due to defatting effect.
Inhaled: Inhalation may causes irritation to the mucus membranes and the upper airways, especially where vapours or mist is generated. Could have anaesthetic or other central nervous system effects. Symptoms include coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.

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Oates is a division of GUD Holdings Ltd **ABN 99 004 400 891**

Classification of Hazardous Ingredients

Ingredient	Hazard Statements
Naphtha (petroleum), hydrotreated heavy	H350: May cause cancer. H340: May cause genetic defects. H304: May be fatal if swallowed and enters airways.

Section 12 – Ecological Information

Insufficient data to be sure of status. Expected to not be an environmental hazard.
For Naphtha (Petroleum), Hydrotreated Heavy:
Persistence and degradability: No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material.
Long term adverse effects on the environment is not expected.
Mobility: The Naphtha solvent is highly volatile and will rapidly evaporate into the air.
Additional information
Environmental fate (exposure): Avoid contaminating waterways, drains and sewers.
Bioaccumulative potential: Does not bioaccumulate significantly.
Ecotoxicity: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Section 13 – Disposal Considerations

Disposal: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.
The following ingredient: Naphtha (petroleum), hydrotreated heavy (as liquid hydrocarbon), is mentioned in the SUSMP.

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Emergency Contact: Phone 13 11 26 (Australia wide)

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

Please read all labels carefully before using product.

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This SDS is prepared in accord with the SWA document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals” (February 2016).

End of Safety Data Sheet

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