



SAFETY DATA SHEET

Revision Date 19th December 2018.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Archival Oils TM. Odourless Solvent (all sizes)
Product Description: Professional Grade Oil Medium

Manufacturer: Chroma Australia Pty Ltd
PO Box 3B
17 Mundowi Road
Mount Kuring-Gai, NSW 2080 Australia
www.chromaonline.com

Non-emergency contact: 61-02-9457-9922/US 717-626-8866

Fax: 61-02-9457-8082/US 717-626-9292

Emergency telephone number: 13 11 26 Poisons Information Centre
1-800-222-1222 Poison Control Center (US)

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2. HAZARDS IDENTIFICATION

Poisons Schedule (Aust) 5

Globally Harmonised System

Hazard Classification Hazardous according to the criteria of Globally Harmonised System of Classification and Labelling of Chemical (GHS)

Hazard Categories Aspiration Hazard - Category 1

Pictograms



Signal Word Danger

Hazard Statements **H304** May be fatal if swallowed and enters airways

| | | | |
|--------------------------------|----------|--------------------|---|
| Precautionary Statement | Response | P301 + P310 | IF SWALLOWED: Immediately call a poison centre or doctor/physician |
| | | P331 | Do NOT induce vomiting. |
| | Storage | P405 | Store locked up. |
| | Disposal | P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

National Transport Commission

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



3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

| Chemical Entity | Formula | CAS Number | Proportion |
|--|-------------------|------------|------------|
| Distillates (Petroleum), Hydro treated Light | No Data Available | 64742-47-8 | 100.0% |

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

| | |
|---------------------------|---|
| Swallowed | If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention. |
| Eye | Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention |
| Skin | Flush area with large amounts of water and wash are with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek immediate medical attention. |
| Inhaled | Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention. |
| Advice to Doctor | Treating according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis. |
| Medical Conditions | No Information available on medical conditions aggravated by exposure to this product. Carcinogenicity: SWA: No significant ingredient is classified as carcinogenic by SWA. NTP: No significant ingredient is classified as carcinogenic by NTP. IARC: No significant ingredient is classified as carcinogenic by IARC. |

5. FIRE FIGHTING MEASURES

| | |
|--------------------------------------|---|
| General Measures | Cool containers with water until well after fire is out. Keep unauthorized personnel out. Do not access if the tank on fire. Keep containers cool with water spray. Vapor or gas is burned at distant ignition sources can be spread quickly |
| Flammability Conditions | Product is a Combustible Liquid |
| Extinguishing Media | Suitable extinguishing media are carbon dioxide, dry chemical, regular foam. Alcohol resistant foam is the preferred firefighting medium but, if it is not available normal foam can be used. Try to contain spills, minimise spillage entering drains or water courses. Cool closed, undamaged containers exposed to fire with water spray. Avoid use of water jet for extinguishing. |
| Fire & Explosion Hazard | Due to extreme low flash point, irrigating fire extinguishing may be less effective when put out a fire. |
| Hazard Products of Combustion | Carbon Dioxide and carbon monoxide. |



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| Special Fire Instructions | 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. Do NOT allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment. |
| Personal Protective Equipment | Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots and gloves) or chemical splash suit. Clear fire area of all Non-emergency personnel. Stay upwind. Keep out of low areas. |
| Flash Point | >94 °C |
| Lower Explosion Limit | 0.6 % |
| Upper Explosion Limit | 4.9% |
| Auto Ignition Temperature | >200 °C |
| Hazchem Code | No Data Available |

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Personnel involved in the clean-up should wear full protective clothing as listed in section 8. Eliminate all sources of ignition. Evacuate all unnecessary personnel. Increase ventilation. Stop leak if safe to do so.

Avoid walking through spilled product as it may be slippery. Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.

Use clean, non-sparking tools and equipment

Clean Up Procedures

Major Land Spill:

Eliminate sources of ignition.

Warn occupants of downwind areas of possible fire and explosion hazard.

Prevent liquid from entering sewers, watercourses, or low-lying areas.

Keep the public away from the area.

Shut off the source of the spill if possible and safe to do so.

Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

Take measures to minimise the effect on the ground water.

Contain the spilled liquid with sand or earth.

Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

See "First Aid Measures" and "Stability and Reactivity"

Major Water Spill:

Eliminate any sources of ignition.

Warn occupants and shipping in downwind areas of possible fire and explosion hazard.

Notify the port or relevant authority and keep the public away from the area.

Shut off the source of the spill if possible and safe to do so.

Confine the spill if possible.

Remove the product from the surface by skimming or with suitable absorbent material.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

See "First Aid Measures" and "Stability and Reactivity".

Containment

Stop leak if safe to do so.



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| Enviro Precautionary Measures | Prevent runoff and contact with waterways, drains or sewers. If large amounts have been spilled, inform the relevant authorities. |
| Evacuation Criteria | Evacuate all unnecessary personnel. |
| Personal Precautionary Measures | Personnel involved in the clean-up should wear full protective clothing as listed in section 8. |

7. HANDLING AND STORAGE

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|------------------|---|
| Handling | This product is combustible. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark). |
| Storage | Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. This product will fuel a fire in progress. Protect against physical damage. Store away from incompatible materials as listed in section 10. This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Check packaging - there may be further storage instructions on the label. This product is classified as a 'C1' Combustible Liquid for the purpose of storage and handling in accordance with the requirements of AS1940. |
| Container | Store in original packaging as approved by manufacturer. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|----------------------------------|---|
| General | The time weighted average concentration (TWA) for this product is: 1200 mg/m ³ (152 ppm), which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: None specified; consider 5 g/m ³ , which is the maximum allowable exposure concentration at any time. |
| Exposure Limits | No Data Available |
| Biological Limits | No information available on biological limit values for this product. |
| Engineering Measures | A system of local and/or general exhaust is recommended to keep employee exposures above the Exposure Limits. 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. The use of local exhaust ventilation is recommended to control emissions near the source. |
| Personal Protection Equip | RESPIRATOR: Wear a respirator with suitable filter for organic gases and vapours (Type A) if engineering controls are inadequate (AS1715/1716). EYES: Chemical goggles to prevent splashing in the eyes (AS1336/1337). HANDS: Wear PVC, Viton, Nitrile gloves (AS2161). CLOTHING: Chemical-resistant coveralls and safety footwear (AS3765/2210). |
| Work Hygienic Practices | No Data Available |



9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------------|--------------------|
| Physical State Liquid | Liquid |
| Appearance | Mobile Liquid |
| Odour | No data |
| Colour | Clear/Colourless |
| pH | No Data Available |
| Vapour Pressure | 44 Pa (@ 20 °C) |
| Relative Vapour Density | 6.50 kPa |
| Boiling Point | 218 - 257 °C |
| Melting Point | No data available |
| Freezing Point | No Data Available |
| Specific Gravity | No Data Available |
| Flash Point | >94 °C |
| Auto Ignition Temp | >200 °C |
| Evaporation Rate | No Data Available |
| Bulk Density | No Data Available |
| Corrosion Rate | No Data Available |
| Decomposition Temperature | No Data Available |
| Density | 0.791g/ml |
| Specific Heat | No Data Available |
| Molecular Weight | No Data Available |
| Net Propellant Weight | No Data Available |
| Octanol Water Coefficient | No Data Available |
| Particle Size | No Data Available |
| Partition Coefficient | No Data Available |
| Saturated Vapour Concentration | No Data Available |
| Vapour Temperature | 20 °C |
| Viscosity | 3.57 cSt (@ 25 °C) |
| Volatile Percent | 100 |
| VOC Volume | No Data Available |



| | |
|---|---------------------|
| Additional Characteristics | No Data Available |
| Potential for Dust Explosion | Product is a liquid |
| Fast or intensely burning Characteristics | No Data Available |
| Flame Propagation or Burning Rate of Solid Materials | No Data Available |
| Non-Flammables That Could Contribute to 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 & Gases | No Data Available |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Chemical Stability | Product is stable under normal conditions of use, storage and temperature. Combustible liquid. 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 Deg C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated. Protect this product from light. Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces. Avoid contact with heat, sparks, flame or other ignition sources. |
| Materials to Avoid | Incompatible with strong acids, strong oxidising agents and sources of ignition. Hazardous reactions: Oxidizing agents, mineral acids, halogenated organic compounds |
| Hazardous Decomposition Products | Carbon monoxide, carbon dioxide, and other organic complexes on incomplete burning and oxidation. |
| Hazardous Polymerisation | This product will not undergo polymerisation reactions. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. |

11. TOXICOLOGICAL INFORMATION

| | |
|----------------------------|--|
| General Information | May be fatal if swallowed and enters airway. Oral LD50: > 5000 mg/kg Dermal TLo: LC50 > 5000 mg/m3 |
| Eye irritant | The product causes irritation to eyes, but will not permanently damage the eye tissue. |



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| Ingestion | Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting large amounts of this product will result in headaches, nausea, dizziness, and discomfort on swallowing. |
| Inhalation | Inhalation of this product will yield mild discomfort in large quantities. Vapour concentrations are irritating to nose and throat. Overexposure may be evident through dizziness, nausea, headaches and other central nervous system effects. |
| Skin Irritant | This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking. |
| Carcinogen Category | No Data Available |

12. ECOLOGICAL INFORMATION

| | |
|----------------------------------|--|
| Ecotoxicity | Fish Toxicity (rainbow trout, goldfish, bluegill): LC50(96hr): Based on data for a similar component or preparation, this product is expected to be toxic to aquatic organisms. |
| Persistence/Degradability | This product will evaporate and commence degradation on exposure to light and air. |
| Mobility | This product is highly volatile and will rapidly evaporate to the air if released into the water. |
| Environmental Fate | Avoid contaminating waterways, drains and sewers |
| Bioaccumulation Potential | Bio accumulative potential: Fish Toxicity (rainbow trout, goldfish, bluegill): LC50(96hr): Based on data for a similar component or preparation, this product is expected to be toxic to aquatic organisms. |
| Environmental Impact | No Data Available |

13. DISPOSAL CONSIDERATIONS

| | |
|--|---|
| General Information | Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with the Local, State and Federal 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. This product may be recycled if unused, or if it has not be contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration, or landfill. |

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

| | |
|-----------------------------|--|
| Proper Shipping Name | ISOPAR M |
| Class | C12 Combustible Liquids – Flash Point > 93°C, Closed Cup, Not Excluded Flammable |
| 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 |

Land Transport (Malaysia)

ADR

| | |
|-----------------------------|--|
| Proper Shipping Name | ISOPAR M |
| 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 |

Land Transport (New Zealand)

NZS5433

| | |
|-----------------------------|--|
| Proper Shipping Name | ISOPAR M |
| 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 |

Land Transport (United States of America)

US DOT

| | |
|-----------------------------|-------------------|
| Proper Shipping Name | ISOPAR M |
| 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 |

Sea Transport

IMDG Code

| | |
|-----------------------------|--|
| Proper Shipping Name | ISOPAR M |
| 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 |
| EMS | No Data Available |
| Marine Pollutant | No |

Air Transport

IATA DGR

| | |
|-----------------------------|--|
| Proper Shipping Name | ISOPAR M |
| 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 |

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 and Rail (ADG Code)

15. REGULATORY INFORMATION

General Information No Data Available

Poisons Schedule (Aust) 5

Environmental Protection Authority (New Zealand) Hazardous Substances and New Organisms Amendment Act 2015

Approval Code Not Assessed

National/Regional Inventories

| | |
|--|----------------|
| Australia (AICS) | Listed |
| Canada (DSL) | Not Determined |
| Canada (NDSL) | Not Determined |
| China (IECSC) | Not Determined |
| Europe (EINECS) | Not Determined |
| Europe (REACH) | Not Determined |
| Japan (ENCS/METI) | Not Determined |
| Korea (KECI) | Not Determined |
| Malaysia (EHS Register) | Not Determined |
| New Zealand (NZIoC) | Not Determined |
| Philippines (PICCS) | Not Determined |
| Switzerland (Giftlise 1) | Not Determined |
| Switzerland (Inventory of Notified Substances) | Not Determined |
| Taiwan (NCSR) | Not Determined |
| USA (TSCA) | Not Determined |

16. OTHER INFORMATION

Revision

Revision Date 19th December 2018

Reason for Issue update mSDS

Key/Legend < Less than

>Greater than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square Centimetres

CO₂ Carbon Dioxide

COD Chemical Oxygen Demand

deg C (°C) Degrees Celsius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Fahrenheit

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

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 Weigh