



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Archival Oils TM Flow Gel Medium

Other Names:

Product Description: Professional Grade Oil Medium

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

For non-emergency information contact: 61-02-9457-9922

Fax: 61-02-9457-8082

Emergency telephone number: 13 11 26
Poisons Information Centre

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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. Seem 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. Seem 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.
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	<p>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.</p> <p>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.</p> <p>Use clean, non-sparking tools and equipment</p>
Clean Up Procedures	<p>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”</p> <p>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”.</p>
Containment	Stop leak if safe to do so.
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

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	0.791 g/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

General Information	Cylinders exposed to fire may vent and release flammable gas.
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	<p>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.</p> <p>Avoid: Accumulation of electrostatic charges, Heating, Flames and hot surfaces. Avoid contact with heat, sparks, flame or other ignition sources.</p>
Materials to Avoid	<p>Incompatible with strong acids, strong oxidising agents and sources of ignition. Hazardous reactions:</p> <p>Oxidizing agents, mineral acids, halogenated organic compounds</p>
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	<p>May be fatal if swallowed and enters airway.</p> <p>Oral LD50: > 5000 mg/kg Dermal TCLo: LC50 > 5000 mg/m3</p>
Eye irritant	The product is irritation to eyes, but will not permanently damage the eye tissue.
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



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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)

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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)
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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

Related Product Codes	ISOPAR6000, ISOPAR6001, ISOPAR6002, ISOPAR6003, ISOPAR6100, ISOPAR6200, ISOPAR6201, ISOPAR6300, ISOPAR6301, ISOPAR6400, ISOPAR6500, ISOPAR6203, ISOPAR3050, ISOPAR3280, ISOPAR6004, ISOPAR6010
Revision	3
Revision Date	15 February 2016
Reason for Issue	update SDS
Key/Legend	<p>< Less than >Greater than</p> <p>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 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 insoluable 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. LD₅₀LD 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 Heath 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</p>



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



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