SAFETY DATA SHEET

Air Tool Oil

Pneumatic Tool Lubricant | Product Code: ATO

Version: 2	Issue Date: 20/02/2026	Previous Issue: November 2022	GHS Revision: 7th Ed.

Section 1. Identification

Product Name:	Air Tool Oil
Product Code:	ATO
Recommended Use:	Lubricant for most types of pneumatic (air) tools. For use in air tool oilers, inline lubricators, and direct application to air tool mechanisms.
Restrictions on Use:	Not for food-related applications. Not suitable as a fuel or for high-temperature applications.
Product Type:	Mineral oil-based lubricant (liquid)
Original Manufacturer:	Advance Chemicals / Quick Smart (Qld, Australia)

Supplier / Distributor (Australia)
ITM Tools (itmtools.com.au)
11 Eastern Service Road, Stapylton QLD 4207
Phone: 07 3287 1114
Email: sales@itmtools.com.au

Australian Emergency Contacts
Poisons Information Centre: **13 11 26** (24 hrs)
After Hours: 03 9336 7945

SDS Prepared By
ITM Tools, based on SDS issued by Advance Chemicals Pty Ltd (November 2022)

Section 2. Hazard(s) Identification

✔ NOT CLASSIFIED AS HAZARDOUS under Safe Work Australia WHS Regulations (GHS 7th Revised Edition) Not Dangerous Goods according to the ADG Code.

Note – Australian Regulatory Compliance: This product has been reviewed against the GHS 7th Revised Edition criteria as adopted by Safe Work Australia under the WHS Regulations. The product does not meet the criteria for classification as a hazardous chemical. This SDS has been prepared in accordance with the *Safe Work Australia Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals* (GHS 7th Revised Edition) and is provided as a matter of good practice and regulatory information. Even though this product is not classified as hazardous, workplace health and safety obligations under the WHS Act and Regulations still apply. This SDS must be reviewed at least every 5 years.

GHS Label Element	Details
Signal Word	Not applicable – product is not classified as hazardous.
Hazard Pictogram(s)	Not applicable.
Hazard Statements	Not applicable.
Precautionary Statements – Prevention	Not applicable (product not classified as hazardous).
Precautionary Statements – Response	Not applicable (product not classified as hazardous).
Precautionary Statements – Storage	Not applicable (product not classified as hazardous).
Precautionary Statements – Disposal	Not applicable (product not classified as hazardous).
Other Hazards (not resulting in classification)	Defatting of skin on repeated or prolonged contact. Combustible liquid – flash point 210°C (typical); classified as Class C2 Combustible Liquid under AS 1940 for the purpose of storage and handling. Not a significant fire risk under normal ambient conditions. Used oil may accumulate harmful impurities during service life – handle used oil with caution and wear nitrile gloves; avoid skin contact.

Section 3. Composition / Information on Ingredients

Substance / Mixture: Mixture (refined mineral oil lubricant)

Chemical Identity / Description	CAS Number	Proportion (% w/w)	GHS Classification (7th Rev.)
Complex mixture of paraffinic, naphthenic and aromatic hydrocarbons as a refined mineral oil mixture (Lubricant base oil – highly refined / hydrotreated)	Not a single substance – various CAS Nos. (e.g. 64742-65-0, 72623-87-1)	>60% (VHIGH)	Not classified as hazardous at the concentrations present in this product. Note: Highly refined mineral oils are considered IARC Group 1 carcinogens only if they are untreated or mildly treated. Severely hydrotreated or refined base oils as used in this product are IARC Group 3 (not classifiable).
Proprietary additives (lubricant additives, oxidation inhibitors, corrosion inhibitors, anti-wear agents)	Various – withheld as trade secret	<40%	Not classified as hazardous at concentrations present.

No hazardous ingredients are present at or above the concentration cut-off levels requiring disclosure under the Safe Work Australia Code of Practice. All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

Section 4. First Aid Measures

4.1 Description of First Aid Measures

Route	First Aid Action
Ingestion	Rinse mouth out with water. Do NOT induce vomiting. If vomiting occurs spontaneously, lean patient forward or place on left side to maintain open airway and prevent aspiration. If irritation develops or persists, or vomiting has occurred after ingestion, seek immediate medical assistance. Call the Poisons Information Centre (13 11 26).
Eye Contact	Hold eyelids apart and immediately flush the eye with large amounts of clean running water for at least 15 minutes, or until advised to stop by a doctor. Check for contact lenses and remove after several minutes of rinsing if this can be done easily. After flushing, if irritation persists, seek medical advice/attention.
Skin Contact	Remove contaminated clothing and footwear. Wash skin and hair thoroughly with soap and water. If irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse. Note: repeated or prolonged contact may cause a defatting (de-greasing) effect on skin.
Inhalation	Remove the affected person to fresh air immediately, if safe to do so. Allow person to assume the most comfortable position and keep warm. Lay patient down in a well-ventilated area. If experiencing respiratory symptoms, seek immediate medical advice/attention. If not breathing, provide artificial respiration and seek immediate medical assistance. If irritation develops or persists, consult a doctor.
First Aid Facilities	Eyewash station and safety shower are recommended in the area where the product is used.
Protection for First Aiders	No action shall be taken involving any personal risk or without suitable training. Wear appropriate PPE (gloves, eye protection) when providing first aid.

4.2 Most Important Symptoms and Effects (Acute and Delayed)

Eye contact: Low hazard under normal use; transient stinging or redness may occur on accidental contact. **Skin contact (acute):** Dryness and mild irritation may occur. **Skin contact (chronic):** Defatting effect; prolonged or repeated contact may cause dermatitis. Used oil may contain accumulated impurities – avoid skin contact with used oil. **Inhalation:** Not normally a hazard at ambient temperatures (low vapour pressure). Oil mist or vapour at elevated temperatures may irritate the nose and throat. **Ingestion:** Low hazard; large quantities may cause nausea and diarrhoea. Aspiration risk if vomiting occurs – do not induce vomiting. Refer to Section 11 for further toxicological information.

4.3 Advice to Doctor / Medical Attention and Special Treatment

Treat symptomatically based on individual reactions of the patient and the clinical judgment of the treating physician. No specific antidote. Contact the Poisons Information Centre (13 11 26) for advice.

Section 5. Fire-Fighting Measures

Item	Details
Flammability Classification	Combustible liquid. Classified as a **Class C2 Combustible Liquid** for the purposes of storage and handling under AS 1940. Will burn if involved in a fire, but not considered a significant fire risk under normal ambient handling conditions.
Flash Point	Typically 210°C (closed cup) – well above ambient temperature.
Hazchem Code	Not applicable (flash point >61°C; not classified as DG for transport).
Suitable Extinguishing Media	Carbon dioxide (CO■), foam, dry chemical powder, or water spray/fog. Use extinguishing media appropriate for the surrounding fire.

Item	Details
Unsuitable Extinguishing Media	Do NOT use water jet as an extinguisher – this will spread the fire.
Specific Hazards / Combustion Products	Incomplete combustion or thermal decomposition will generate smoke, carbon dioxide (CO■) and hazardous gases including carbon monoxide (CO). Closed containers may explode when exposed to extreme heat – cool with water spray.
Explosion Hazard	No information to indicate this product is an explosion hazard under normal conditions. Closed containers may explode if exposed to extreme heat.
General Fire-Fighting Measures	Do not enter enclosed or confined spaces without proper protective equipment. Stay upwind. Keep out of low-lying areas (CO/CO■ are heavier than air). Eliminate ignition sources. Move fire-exposed containers from fire area if safe to do so.
Fire-Fighter PPE	Fire-fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and full protective fire-fighting clothing (helmet, coat, trousers, boots, gloves).

Section 6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Avoid accidents – clean up immediately. **Note: product is slippery when spilled.** Avoid contact with eyes and skin. Eliminate all sources of ignition. Increase ventilation. Use clean, non-sparking tools and equipment. Evacuate personnel to safe areas if a large spill occurs.

Spill Scale	Personal Protective Measures
Small Spills	Wear nitrile gloves, safety glasses/goggles, boots and full-length clothing. If mists or vapours are generated, use an approved organic vapour/particulate respirator complying with AS/NZS 1715 / AS/NZS 1716.
Large Spills or Confined Spaces	A full chemical-resistant bodysuit is recommended. The atmosphere must be evaluated for oxygen deficiency before entry. If in doubt about oxygen levels, wear a self-contained breathing apparatus (SCBA).

6.2 Environmental Precautions

Use appropriate containment to avoid environmental contamination. Do not allow product to enter drains, surface water, sewers or waterways – product floats on water and may form a film causing physical damage to aquatic organisms and impairing oxygen transfer. Advise local authorities and the relevant state/territory EPA if an uncontrolled environmental release occurs.

6.3 Methods and Materials for Containment and Cleaning Up

Containment: Stop the leak if safe to do so. Isolate the danger area. Contain the spill and absorb with a proprietary absorbent material, sand or earth.

Clean-up: Having contained the spill, collect all material and place used absorbent in suitable, labelled containers for disposal (refer Section 13). Wash contaminated area and objects with detergent and water after the spill has been cleared. Rinse the cleaned area with water. Do not allow wash water to enter drains, surface water, sewers or waterways. Dispose of waste in accordance with all applicable Australian Commonwealth, state/territory and local government regulations.

Section 7. Handling and Storage

7.1 Precautions for Safe Handling

Ensure an eyebath and safety shower are available and ready for use in the work area. Avoid contact with the product by using appropriate PPE (gloves, goggles, boots and full-length clothing). Do not eat, drink or smoke in areas where this material is handled, stored or processed. Observe good personal hygiene practices. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment where relevant.

7.2 Conditions for Safe Storage Including Any Incompatibilities

This product is classified as a **Class C2 Combustible Liquid** for the purpose of storage and handling. Refer to **AS 1940 – The Storage and Handling of Flammable and Combustible Liquids** for applicable requirements. Store in a dry, well-ventilated area, out of direct sunlight and away from ignition sources, oxidising agents, foodstuffs and clothing. Do not store in unlabelled containers. Keep containers tightly closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Inspect regularly for damage or leaks.

7.3 Incompatibilities

Strong oxidising substances including strong acids. Avoid contact with heat or high temperatures.

7.4 Specific End Use(s)

Pneumatic air tool lubricant. For use in air line lubricators, inline oilers and direct application to air tool mechanisms. No other specific recommendations beyond those stated in this SDS.

Section 8. Exposure Controls / Personal Protection

8.1 Control Parameters – Occupational Exposure Limits (OELs)

No Workplace Exposure Standards (WES) have been established for this product as a whole under Safe Work Australia standards. However, where oil mist or aerosols are generated (e.g. during operation of certain equipment at elevated temperatures), the following exposure limits for mineral oil mist should be observed as a guideline:

Substance	Standard	Type	Value	Notes
Mineral oil mist (inhalable fraction)	Safe Work Australia (WES)	TWA	5 mg/m³	Applies where oil mist is generated
Mineral oil mist	ACGIH TLV (reference)	STEL	10 mg/m³	Reference value; Australian WES takes precedence

Biological Limit Values (BLVs): No data available / not established.

8.2 Appropriate Engineering Controls

Special ventilation is not normally required when using this product at normal ambient temperatures due to its low vapour pressure. In the operation of certain equipment, at elevated temperatures, or in confined spaces where mist or vapour may be generated, local exhaust ventilation should be used to maintain airborne concentration levels below the nominated exposure standard and at an acceptable level that does not cause irritation. Ensure eyewash stations and emergency safety showers are available in the immediate vicinity of use or handling.

8.3 Individual Protection Measures (Personal Protective Equipment)

PPE Type	Requirement / Specification
Eye / Face Protection	Safety glasses with side-shields, goggles or full-face shield as appropriate. Eye protection should conform with AS/NZS 1337.1 – Eye Protectors for Industrial Applications. Final choice depends on methods of handling and risk assessment. Ensure eyewash station is accessible.
Hand Protection	Wear gloves of impervious material. Nitrile gloves complying with AS/NZS 2161.1 (Occupational Protective Gloves – Selection, Use and Maintenance) are recommended. Final choice of appropriate gloves depends on individual circumstances and risk assessment.
Body / Skin Protection	During normal operations, long-sleeved clothing is recommended to avoid skin contact. A chemical-resistant plastic apron is recommended where larger quantities are handled.
Respiratory Protection	Not normally required at ambient temperatures. If engineering controls are not effective in controlling airborne oil mist, use a respirator with P2 particulate filter or organic vapour/particulate combination cartridges, complying with AS/NZS 1715 (Selection, Use and Maintenance of Respiratory Protective Devices) and AS/NZS 1716 (Respiratory Protective Devices). Expert advice may be required to select the appropriate type.
Thermal Hazards	Wear appropriate thermal protective clothing if product is handled at elevated temperatures.

Section 9. Physical and Chemical Properties

Property	Value	Property	Value
Physical State	Liquid	**Appearance**	Clear and bright oily liquid
Colour	Pale yellow / clear	**Odour**	Characteristic lubricating oil odour
pH	No data available	**Odour Threshold**	No data available
Melting / Freezing Point	No data available	**Initial Boiling Point / Range**	No data available
Flash Point	Typically 210°C (closed cup)	**Flammability**	Not flammable. Class C2 Combustible Liquid
Flammability Limits (lower/upper)	No data available	**Vapour Pressure**	No data available
Vapour Density	No data available	**Evaporation Rate**	No data available
Density @ 15°C	0.910 kg/L	**Relative Density**	~0.91
Solubility in Water	Insoluble	**Partition Coeff. (n-octanol/water)**	No data available
Auto-ignition Temperature	No data available	**Decomposition Temperature**	No data available
Viscosity (cSt @ 40°C)	Not available	**Explosive Properties**	Not explosive

Oxidising Properties	Not oxidising	**VOC Content**	No data available

Section 10. Stability and Reactivity

Item	Information
Reactivity	This product does not pose any further reactivity hazards beyond those described below.
Chemical Stability	Stable under recommended storage and handling conditions (refer Section 7).
Possibility of Hazardous Reactions	Will not occur under normal conditions of use.
Hazardous Polymerisation	Will not occur.
Conditions to Avoid	Avoid direct contact with sunlight, heat, flames, sparks and other ignition sources.
Incompatible Materials / Materials to Avoid	Strong oxidising agents (including strong acids) and heat or high temperatures.
Hazardous Decomposition Products	Thermal decomposition can produce a variety of compounds depending on decomposition conditions. Incomplete combustion/thermal decomposition will generate smoke, carbon dioxide (CO■) and hazardous gases including carbon monoxide (CO).

Section 11. Toxicological Information

11.1 Routes of Exposure

Skin and eye contact are the primary routes of exposure under normal handling conditions. Exposure may also occur following accidental ingestion. Inhalation exposure is unlikely under normal ambient temperature conditions due to very low vapour pressure.

11.2 Toxicological Effects

Endpoint	Acute Effects	Chronic / Long-Term Effects
Eye Contact	No known significant effects or critical hazards. May cause transient stinging or redness.	Potential risk of transient stinging or redness from repeated accidental contact.
Skin Contact	May cause dryness and mild irritation. Defatting of skin may occur.	Prolonged or repeated contact may cause dermatitis. Used oil may contain accumulated impurities – handle with caution.
Inhalation	Vapour inhalation under ambient conditions is not normally a problem due to very low vapour pressure.	Vapours or mists generated at elevated temperatures can cause irritation to the nose and throat.
Ingestion	No known significant effects or critical hazards. Aspiration risk if vomiting occurs – do not induce vomiting.	Ingestion of large quantities may cause nausea and diarrhoea.

11.3 Other Toxicological Information

Endpoint	Finding
Carcinogenicity	No known significant effects or critical hazards. Severely hydrotreated / refined mineral base oils (as used in this product) are classified as IARC Group 3 (not classifiable as to carcinogenicity in humans). Untreated or mildly treated mineral oils are IARC Group 1 – this product does not contain such materials.
Mutagenicity / Germ Cell Mutagenicity	Mutagenic effects not known.
Reproductive Toxicity	No data available.
STOT – Single Exposure	Not classified.
STOT – Repeated Exposure	Not classified.
Aspiration Hazard	This product is a mineral oil and carries an inherent aspiration risk if swallowed and vomiting occurs. Do not induce vomiting.
Used Oil / Impurity Warning	Used oil may contain harmful impurities that accumulate during usage. The type and concentration of impurities depends on use and may present risks to health and the environment on disposal. All used oil should be handled with caution and skin contact avoided as far as possible by wearing nitrile rubber gloves.
Test Data Availability	The product is a mixture. Specific test data is not available for the product as a whole.

Section 12. Ecological Information

Parameter	Information
Ecotoxicity	No specific ecotoxicity data is available for this product as a whole.
Persistence / Degradability	Based on the components and similar products, this product is not expected to be readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
Bioaccumulative Potential	No information is available on bioaccumulation for this product. Mineral oils generally have a moderate-to-high log Kow and may have some potential for bioaccumulation in aquatic organisms.
Mobility in Soil	Floats on water. If it enters soil, it will absorb onto soil particles and will not be highly mobile in soil.
Environmental Fate and Behaviour	Do not allow product to reach waterways, drains or sewers. Product will float on water surfaces. Spills may form a film on water causing physical damage to aquatic organisms and impairing oxygen transfer. Notify relevant state/territory EPA authorities if an environmental release occurs.
Other Adverse Effects	No other significant adverse environmental effects expected (ozone depletion, photochemical ozone creation, endocrine disruption, global warming) based on available data.

Section 13. Disposal Considerations

13.1 Waste Treatment Methods

The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products must at all times comply with the requirements of applicable Australian Commonwealth, state/territory and local government environmental protection and waste disposal legislation.

Used oil: Used oil may be reclaimable or recyclable. Contact a licensed used oil recycler or waste oil contractor. Do not dispose of used oil to drain, sewer, ground or waterways. Used oil may contain accumulated impurities – treat as hazardous waste.

Contaminated packaging: Empty containers or liners may retain product residues. This material and its container must be disposed of safely. Waste packaging should be recycled where possible. Empty containers should be taken to an approved waste handling site. Disposal into sewer systems is not permitted.

Landfill: Contact a specialist disposal company or the local waste regulator for advice.

Section 14. Transport Information

Classification Item	ADG Code (Australian Road/Rail)	IMDG (Sea)	IATA (Air)
UN Number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	Not classified as DG	Not classified as DG	Not classified as DG
Class / Division	None	None	None
Packing Group	N/A	N/A	N/A
Environmental Hazard / Marine Pollutant	No	No	No
Hazchem Code	Not applicable	—	—

Although not classified as a Dangerous Good for transport, this product is a Class C2 Combustible Liquid under AS 1940 for storage and handling purposes. Transport in closed, secure, upright containers. Ensure persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

Regulatory Framework	Status / Details
WHS Classification (Hazardous Chemical)	**NOT classified as a hazardous chemical** under Safe Work Australia WHS Regulations (GHS 7th Rev.). This SDS is provided as a matter of good occupational health and safety practice and to meet supplier obligations.
Combustible Liquid – Storage & Handling	Classified as a **Class C2 Combustible Liquid** (flash point typically 210°C) for the purposes of storage and handling under **AS 1940** – The Storage and Handling of Flammable and Combustible Liquids. Operators should consult AS 1940 and relevant state/territory dangerous goods legislation for threshold quantities, placarding and storage requirements applicable to combustible liquids.
AICIS / AICS	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS). No conditions of introduction are known to apply for standard industrial use.

Regulatory Framework	Status / Details
ADG Code (Transport)	Not classified as Dangerous Goods for transport.
Poisons Standard / SUSMP	A poison schedule has not been allocated for this product. Not scheduled under the Therapeutic Goods (Poisons Standard) Regulations.
National Pollutant Inventory (NPI)	No NPI-listed substances are present at or above NPI reporting thresholds in this product.
Environmental Protection	State/territory EPA legislation applies to spills and disposal. Disposal to drain, sewer or waterways is prohibited. Refer Section 13.
SDS Review Requirement	This SDS must be reviewed at least every 5 years from the date of issue.

Section 16. Other Information

SDS Revision History

Version	Issue Date	Previous Issue	Revised By	Summary of Changes
2	20 February 2026	November 2022	ITM Tools	Reformatted to current Safe Work Australia Code of Practice (GHS 7th Rev.) 16-section structured layout. Updated supplier details from Industrial Tool & Machinery Sales (Stapylton) to ITM Tools (Stapylton). After-hours emergency contact updated from Ted Powell 0425 800 022 to ITM Tools standard emergency contacts (Poisons Information Centre 13 11 26 / 03 9336 7945 AH). Section 2 GHS label table and non-hazardous compliance note added. Section 3 ingredient table expanded with GHS 7th Rev. classification context and IARC carcinogenicity note for mineral oil. Section 8 WES reference updated to Safe Work Australia mineral oil mist standard (5 mg/m³ TWA). PPE section updated with AS/NZS standard references. Combustible liquid storage and AS 1940 reference maintained throughout. Section 15 regulatory information updated; SUSMP updated to Poisons Standard reference.
1	November 2022	—	Advance Chemicals Pty Ltd (modified by Industrial Tool & Machinery Sales)	Original issue for Air Tool Oil (ATO). Prepared by Advance Chemicals / Quick Smart. Company details modified by Industrial Tool & Machinery Sales, Stapylton.

Key to Abbreviations

ADG = Australian Dangerous Goods Code | AICIS = Australian Industrial Chemicals Introduction Scheme | AICS = Australian Inventory of Chemical Substances | ACGIH = American Conference of Governmental Industrial Hygienists | AS = Australian Standard | AS/NZS = Australian/New Zealand Standard | CAS = Chemical Abstracts Service | CO = Carbon monoxide | CO■ = Carbon dioxide | GHS = Globally Harmonised System of Classification and Labelling of Chemicals | IARC = International Agency for Research on Cancer | IATA = International Air Transport Association | IMDG = International Maritime Dangerous Goods Code | NPI = National Pollutant Inventory (Australia) | PPE = Personal Protective Equipment | SCBA = Self-Contained Breathing Apparatus | SDS = Safety Data Sheet | STEL = Short Term Exposure Limit | STOT = Specific Target Organ Toxicity | SUSMP = Standard for the Uniform Scheduling of Medicines and Poisons (now: Poisons Standard) | TGA = Therapeutic Goods Administration | TWA = Time-Weighted Average | WES = Workplace Exposure Standard (Australia) | WHS = Work Health and Safety

DISCLAIMER / NOTICE TO READER:
This Safety Data Sheet summarises our best knowledge of the health, safety and environmental hazard information of this product and how to safely handle and use it in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations.

This SDS has been updated by ITM Tools based on the SDS issued by Advance Chemicals Pty Ltd (November 2022) and is prepared in accordance with the *Safe Work Australia Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals* (GHS 7th Revised Edition). The information is correct to the best of our knowledge at the date of issue. Neither ITM Tools nor Advance Chemicals accepts responsibility for any injury, loss or damage resulting from abnormal use of the material or from any failure to adhere to the recommendations contained herein. This SDS supersedes all previous versions and must be reviewed at least every 5 years.

End of Safety Data Sheet – Air Tool Oil (ATO) | Version 2 | Issued: 20 February 2026