



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY

Product Name:	Advanced Technology Grease Aerosol
Product Code:	ATG CS2 ASP
Recommended Usage:	Lubricating Grease
Importer:	One Five Industries Pty Ltd trading as Advanced Technology Grease
Address:	Lot 15 Eastern Service Road, Stapylton Qld Australia 4207
Phone Number:	07 3807 8919
Email:	info@atgrease.com.au
Web:	www.atgrease.com.au
Emergency Contact:	13 11 26 (<i>Poisons Information Centre</i>)

2. HAZARD IDENTIFICATION

Hazardous Nature:

GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol.
Pressurised container: May burst if heated.

GHS07

Acute Tox. 4	H332	Harmful if inhaled
Skin Irritation 2	H315	Causes skin irritation
Eye Irritation 2A	H319	Causes serious eye irritation
STOT SE 3	H335	May cause respiratory irritation
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects

Label Elements

Signal Word Danger

Hazard Statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H332 Harmful if inhaled

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary Statements

P210 Keep away from heat, sparks, open flame, hot surfaces. No smoking.

P251 Pressurized container: Do not pierce or burn, even after empty.

P211 Do not spray on an open flame or other ignition source.

P261 Avoid breathing dust, fumes, gas, mist, vapours or spray.

P280 Wear protective gloves, protective clothing, protective eye wear, face protection.

P273 Avoid releasing this product into the environment.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well ventilated area.

P305, P351, P338

IF IN EYES:

Rinse continuously with water for several minutes.

Remove contact lenses if present and able to do so. Continue rinsing.

P321 Specific treatment, see label for details

P304, P340 IF INHALED:

Move patient to fresh air, keep at rest in a comfortable position for breathing.

P312 Call Poison Centre or seek medical attention

P332, P313 IF SKIN IRRITATION OCCURS: Seek medical attention

P337, P313 IF EYE IRRITATION PERSISTS: Seek medical attention

P302, P352 IF ON SKIN: Wash thoroughly with soap and water

P362, P364 Take off contaminated clothing and wash thoroughly

P405 Keep out of reach of children in a locked cabinet

P410, P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

P403, P233 Store in a well ventilated place. Keep container tightly closed
P501 Dispose of contents and container in accordance with national regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Non-hazardous mixture of highly refined lubricant base oil (petroleum)	50 – 60%
Calcium sulfonate complex thickener	30 – 40%
Anti-friction metal conditioner	<1%
CAS numbers are confidential	
Hazardous Components:	
106-97-8 Butane	20-30%
Flam. Gas 1, H220; Press. Gas, H280	
108-94-1 Cyclohexanone	15-20%
Flam. Liq. 3, H226; Acute Tox. 4, H332	
95-63-6 Benzene, 1,2,4-trimethyl-	15-20%
Flam. Liq. 3, H226; Aquatic Chronic 2, H411; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
74-98-6 Propane	

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to refresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.
Skin Contact	In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.
Eye Contact	In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses where possible and continue rinsing. Seek medical attention.
Ingestion	If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide, dry chemicals, sand, alcohol resistant foam, fog or mist and water spray.
Specific Hazards arising From the Chemical	Pressure will increase in overheated, closed containers. Hazardous combustion products include oxides of carbon and sulphur.
Special Protective Equipment and Precautions for Fire Fighters	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapours. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream, it will scatter and spread fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Keep all sources of ignition and hot metal surfaces away from spill.
Environmental Precautions	In the event of a major spill, prevent spillage from entering drains or water courses.
Methods and Materials for Containment and Cleaning up	Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use in a well-ventilated area Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet after using this product. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.
Conditions for safe storage	Store in a cool, dry and well-ventilated area. Keep container tightly closed. Protect from direct sunlight, heat, sparks, open flames, and hot surfaces. Keep away from strong acids and strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	Oil mist: TWA: 5mg/m³; NES TWA: 10mg/m³ (471-34-1 Calcium Carbonate)
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Personal Protective Equipment (PPE)

Respiratory Protection Wear an approved respirator if ventilation is insufficient.
See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection Protective gloves and protective clothing.
See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection Safety glasses with top and side shields or goggles.
See Australian Standards AS/NZS 1336 and 1337 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Semi solid
Colour	Green
Odour	Characteristic petroleum odour, mild
Odour threshold	No information available
pH value	No information available
Dropping Point, °C	>320°C
Melting Point / Melting Range	No information available
Initial boiling point / Final boiling point	No information available
Flash Point	No information available
Flammability	No information available
Auto ignition temperature	No information available
Decomposition temperature	No information available
Explosion Limits	
Lower	0.9 Vol %
Upper	7.0 Vol %
Vapour Pressure @ 20°C	< 0.01 mm Hg
Relative Density	No information available
Vapour Density	> 5
Evaporation rate	< 0.01 (BuAc = 1)
Solubility in water	Insoluble
Partition co-efficient (n-octanol/water)	No information available
VOC	No information available

10. STABILITY AND REACTIVITY

Reactivity	Hazardous polymerisation will not occur.
Chemical Stability	Stable at ambient temperature and under normal conditions of use.
Conditions to avoid	Heat, sparks, open flames, hot surfaces and direct sunlight.
Incompatible Materials	Oxidising agents and acids
Hazardous Decomposition Products	Oxides of carbon and sulfur

11. TOXICOLOGICAL INFORMATION

Toxicity	Lubricant base oil (petroleum), highly refined		
LD ₅₀ /LC ₅₀ Values	Oral	LD ₅₀	> 5000 mg/kg (rat)
Relevant for classification	Dermal	LD ₅₀	> 2000 mg/kg (rabbit)
	Calcium Sulfonate complex thickener		
	Oral	LD ₅₀	>2000 mg/kg (rat) (estimated)
	Dermal	LD ₅₀	>2000 mg/kg (rabbit) (estimated)
	Inhalation	LC ₅₀	>0.5 mg/L (rat) (estimated)

ACUTE HEALTH EFFECTS

Inhalation	Inhalation hazard at room temperature is unlikely due to the low volatility of this product. Heating can generate vapours that may cause respiratory irritation, nausea and headaches. Inhalation of product vapour or mist may cause irritation of mucous membranes in nasal passages and throat.
Skin	May cause skin irritation Repeated or prolonged contact an result in drying of the skin
Eye	May cause eye irritation
Ingestion	If ingested, may cause stomach ache and vomiting. Aspiration in the lungs may cause pneumonitis.
Skin Corrosion / Irritation	Based on classification principles, the classification criteria are not met.
Respiratory or Skin Sensitisation	Based on classification principles, the classification criteria are not met.
Germ Cell Mutagenicity	Based on classification principles, the classification criteria are not met.
Carcinogenicity	1-Naphthylamine is classified by IARC as a Group 3 – Not classifiable as to its carcinogenicity to humans. 2-Naphthylamine is classified by IARC as a Group 1 – Carcinogenic to humans. 2-Naphthylamine is classified by Safe Work Australia as Carcinogen Category 1.
Reproductive Toxicity	Based on classification principles, the classification criteria are not met.
Specific Target Organ Toxicity (STOT) – Single Exposure	Based on classification principles, the classification criteria are not met.
Specific Target Organ Toxicity (STOT) – Repeated Exposure	Based on classification principles, the classification criteria are not met.
Aspiration Hazard	Based on classification principles, the classification criteria are not met.
Existing Conditions Aggravated by Exposure	No information available.

12. ECOLOGICAL INFORMATION

Eco toxicity	No data available.
Aquatic toxicity	No data available.
Persistence and Degradability	No data available.
Bio accumulative Potential	No data available.
Mobility in soil	No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers	Dispose according to applicable local and state government regulations
Special Precautions for Landfill or Incineration	Please consult your state land waste management authority for more information

14. TRANSPORT INFORMATION

	ADR/RID	ADN/ADNR	IMDG	IATA
UN Number			No data available.	
UN Proper Shipping Name			No data available.	
Transport Hazard Class(es)			No data available.	
Packaging Group			No data available.	
Environmental Hazards			No data available.	
Special Precautions for user			No data available.	
Transport in Bulk according to Annex II or MAPOL 73/78 and the IBC Code			No data available.	

15. REGULATORY INFORMATION

National Safety, Health and Environmental Regulations	Not applicable
Poisons Schedule Number	Not allocated

16. OTHER INFORMATION

Acronyms used

ADG	Australian Dangerous Goods
GHS	Globally Harmonised System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LC₅₀	Lethal Concentration, 50 percent
LD₅₀	Lethal Dose, 50 percent
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds

MSDS data revised date: February 2022

Legal Disclaimer: The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. The requirement or recommendation of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product shall take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication, and will be updated when appropriate.