MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY

Product Name:	Advanced Technology Grease Super Penetrating Lubricant Aerosol
Product Code:	ATG PS-01
Recommended Usage:	Penetrating Lubricating
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 (*Poisons Information Centre*)

2. HAZARD IDENTIFICATION

Hazardous Nature:


GHS02 Flame

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


GHS08 health hazard

Acute Tox. 1	H304	Maybe fatal if swallowed and enters airways

Label Elements

Signal Word Danger

Hazard Statements

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

H304 Maybe fatal if swallowed and enters airways

H332 Harmful if inhaled

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.

P301+P310 IF SWALLOWED: Immediately call Poison Centre or Doctor

P331 Do NOT Induce vomiting

P405 Store in a locked cabinet. Keep out of reach of children

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

P501 Dispose of contents and container in accordance with national regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of items listed below with the addition of non-hazardous ingredients.

Hazardous Components:

64742-47-8 Distillates (Petroleum), hydrotreated light Flam. Liq. 3, H226; Asp Tox. 1, H304	30-40%
74-98-6 Propane Flam Gas 1, H220; Press, Gas, H280	8-10%
64742-48-9 Naphtha (petroleum), hydrotreated heavy Asp Tox 1, H304; H227	8-10%

4. FIRST AID MEASURES

Inhalation If inhaled, remove patient to fresh 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, may explode. Vapor or gas may spread to distant ignition sources & flash back Runoff to sewer may cause fire or explosion hazard. Fire may produce irritating, corrosive and/or toxic gases
Special Protective Equipment and Precautions for Fire Fighters	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

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. Use only non-sparking tools.

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. Do not use near open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. 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. The cans are made of steel and do not contain Aluminium Keep container tightly closed. Protect from direct sunlight, heat, sparks, open flames, and hot surfaces. Do not expose to temperatures exceeding 49 ^{o}C Keep in area equipped with sprinklers. Keep out of reach of children. Store locked up

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards (Safe Work Australia)	This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace
Engineering Controls	Provide adequate ventilation or other engineering. Use explosion-proof ventilating equipment

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	Liquid. Aerosol. Compressed liquefied gas
Colour	Yellow
Odour	Characteristic oily odour, mild
Odour threshold	No information available
pH value	No information available
Dropping Point, ºC	Not applicable
Melting Point / Melting Range	No information available
Initial boiling point / Final boiling point	92ºC
Flash Point	-104.4 ºC
Flammability	Extremely flammable
Auto ignition temperature	No information available
Decomposition temperature	No information available
Explosion Limits	
Lower	No information available
Upper	No information available
Vapour Pressure @ 21.1ºC	45-65 psig
Relative Density	0.879 (estimated)
Evaporation rate	No information available
Solubility in water	Not Applicable
Partition co-efficient (n-octanol/water)	No information available
VOC	No information available

10. STABILITY AND REACTIVITY

Reactivity	No known hazardous reactions
Chemical Stability	Risk of Ignition
Conditions to avoid	Heat, sparks, open flames, hot surfaces and direct sunlight.
Incompatible Materials	Oxidising agents
Hazardous Decomposition Products	No hazardous decomposition products known

11. TOXICOLOGICAL INFORMATION

Toxicity	**64742-48-9 Naphtha (petroleum) hydrotreated heavy**		
LD_{50}/LC_{50} Values	Oral	LD_{50}	> 5000 mg/kg (rat)
Relevant for classification	Dermal	LD_{50}	> 3000 mg/kg (rabbit)
	74-98-6 Propane		
	Inhalation	LC_{50}	658 mg/l (rat)
	64742-47-8 Distillates (petroleum), hydrotreated light		
	Oral	LD_{50}	>5000 mg/kg (rat) (estimated)
	Dermal	LD_{50}	>2000 mg/kg (rabbit) (estimated)
	Inhalation	LC_{50}	4h 5.2 mg/L (rat) (estimated)

ACUTE HEALTH EFFECTS

Inhalation	Inhalation hazard: intentional misuse by concentrating and inhaling can be harmful or fatal
Skin	May cause skin irritation
Eye	May cause eye irritation
Ingestion	Exposure by ingestion of an aerosol is unlikely.
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	Naphtha (petroleum), hydrotreated heavy is classified by Safe Work Australia as Mutagen Category 2. The classification as a mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no 200-753-7)
Carcinogenicity	Naphtha (petroleum), hydrotreated heavy is classified by Safe Work Australia as Carcinogen Category 2. The classification as a Carcinogen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS no 200-753-7)
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	May be fatal if swallowed and enters airways
Chronic Health Effects	Prolonged or repeated contact can result in defatting and drying or the skin which may result in skin irritation and dermatitis (rash). Prolonged inhalation may be harmful. May cause central nervous system disorder involving loss of coordination, weakness, fatigue, mental confusion and blurred vision. May cause delayed lung damage.
Existing Conditions Aggravated by Exposure	No information available.

12. ECOLOGICAL INFORMATION

Eco toxicity	Contains a substance which causes risk of hazardous effects to the environment
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		UN1950		
UN Proper Shipping Name		AEROSOLS, flammable		
Packaging Group		No data available.		
Dangerous Goods Class		2.1		
Hazchem Code		2YE		
Special Precautions		63, 190, 277, 327		
Limited Quantities		1L		
Packagings & IBCs instruction		P003, LP02		
Packagings & IBCs Special Packing Provisions		PP17, PP87, L2		
Portable tanks & Bulk Containers		Not Applicable		

15. REGULATORY INFORMATION

National Safety, Health and Environmental Regulations	64742-48-9 Naphtha (petroleum), hydrotreated heavy 74-98-6 Propane 64742-47-8 Distillates (petroleum), hydrotreated light

16. OTHER INFORMATION

Acronyms used

ADG	Australian Dangerous Goods
GHS	Globally Harmonised System
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LC_{50}	Lethal Concentration, 50 percent
LD_{50}	Lethal Dose, 50 percent
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
NES	National Exposure Standard
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.