



SAFETY DATA SHEET

Prepared in accordance with EU Regulation (EC) 1907/2006 (REACH Regulation)

Product name : WHITE LITHIUM GREASE (PMWLG450)	SDS No. : EN1009
Revision date : 2025-02-26	Version # : V5.0
UFI Number : TM10-GOSU-X00J-YKPW	

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER

Product name: Auto Choice White Lithium Grease
Product code(s): PMWLG450

1.2 USES AND USES ADVISED AGAINST

Identified Use(s): Lubricant
Main Intended Use(s): PC-TEC-11 Lubricants, greases, release agents
Uses Advised Against: No information available

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer: PM Distribution Ltd
Address: 1a Longlands Road
Postal Code: BT23 5JS
City: Comber
Country: Northern Ireland
Telephone: 028 9181 1130
Website: www.autochoicedirect.co.uk
Email: info@autochoicedirect.co.uk

1.4 Emergency telephone number(s)

Emergency: 028 9181 1130
Office Hours: Mon - Thursday: 9am - 5:30pm. Friday: 9am - 4:30pm

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Aerosols	Category 1 - (H223, H229)
Acute Toxicity: Inhalation	Category 1 - (H304)
Skin corrosion/irritation	Category 5 - (H313)
Germ cell mutagenicity	Category 1B - (H340)
Hazardous to the aquatic environment, long-term hazard	Category 3 - (H411)
Carcinogenicity	Category 1 - (H350)

Hazard Summary: Not available

2.2 LABEL ELEMENTS

Contains Naphtha (petroleum), hydrotreated light



Signal word

Danger

Hazard statements

- H223** Flammable aerosol.
H229 Pressurised container: may burst if heated.
H304 May be fatal if swallowed and enters airways
H313 May be harmful in contact with skin.
H340 May cause genetic defects.
H350 May cause cancer
H411 Toxic to aquatic life with lasting effects.

Precautionary statements

Prevention

- P201** Obtain special instructions before use.
- P202** Do not handle until all safety precautions have been read and understood.
- P210** Keep away from heat/spark/open flames/hot surfaces. No smoking.
- P211** Do not spray on an open flame or other ignition source.
- P251** Do not pierce or burn, even after use.
- P260** Do not inhale
- P280** Wear protective gloves/protective clothing /eye protection/face protection
- P273** Avoid release to the environment.

Response

- P301+P310** IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
- P331** Do NOT induce vomiting.
- P304+P340** If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P308+P313** If exposed or concerned: Get medical advice/attention.
- P312** Call a POISON CENTRE/doctor if you feel unwell
- P391** Collect spillage.

Storage

- P405** Store locked up.
- P410+P412** Protect from sunlight. Do not expose to temperature exceeding 50°C/122°F.

Disposal

- P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 OTHER HAZARDS

No information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 SUBSTANCES**

Chemical Name	Concentration (%)	EC No. (CAS No.)	EU REACH Registration No.	CLASSIFICATION ACCORDING TO EU CLP (SI 2020/1567 as amended)
NAPHTHA (Petroleum, hydrotreated light)	>50 - <70% (v/v)	265-151-9 (64742-49-0)	-	Asp. Tox. 1 (H304) Muta. 1B (H340) Carc. 1B (H350)
LIQUEFIED PETROLEUM GAS	>20 - <30% (v/v)	270-704-2 (68476-85-7)	-	Flam. Gas 1A (H220) Comp. Gas (H280) Muta. 1B (H340) Carc. 1A (H350)
DISTILLATES (Petroleum), solvent dewaxed	>10 - <20% (v/v)	265-159-2 (64742-56-9)	-	Carc. 1B (H350)
MINERAL OIL	>8 - <10% (v/v)	232-455-8 (8042-47-5)	-	Asp. Tox. 1 (H304)
CALCIUM SULFONATE	>8 - <10% (v/v)	263-093-9 (61789-86-4)	-	-
TITANIUM DIOXIDE	>2 - <5% (v/v)	236-675-5 (13463-67-7)	-	Carc. 2 (H351)
Not applicable				

3.2 MIXTURES**Full text of H- and EUH-phrases: see section 16**

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General Advice:	Show this safety data sheet to the doctor in attendance. IF exposed or concerned, get medical advice/attention
Inhalation:	Immediate Action: Remove the affected person from the exposure area immediately. Move to fresh air, ensure they are breathing freely. Keep the victim calm, and at rest in a position comfortable for breathing. If the person is unconscious: Place them in the recovery position (lying on their side). Check for breathing and pulse. Begin CPR if necessary and trained to do so. If breathing is difficult or absent: Provide oxygen if trained personnel are available. If the person is not breathing, initiate rescue breathing or CPR Medical Attention: Call a physician if symptoms develop or persist. Symptoms to watch for: Severe difficulty breathing, shortness of breath Chest pain or tightness Coughing, wheezing or choking Dizziness, confusion or loss of consciousness
Skin contact:	Wash off with soap and water. Get medical advice/attention if you feel unwell.
Eye contact:	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion:	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Self-protection of the first aider

If exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Harmful if swallowed, in contact with skin and/or if inhaled. Contact may result in drying and defatting of the skin, rash and dermatitis. Contact may result in irritation, lacrimation, pain and redness.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**Note to doctors**

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptom may be delayed.

SECTION 5: FIRE FIGHTING MEASURES**5.1 EXTINGUISHING MEDIA****Suitable extinguishing media**

Water fog. Foam. Dry chemical power. Carbon dioxide(CO₂). Prevent contamination of drains and waterways.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread fire

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Flammable. May evolve toxic gases(Carbon oxide, hydrogen chloride, phosgene, hydrocarbons) when heated to decomposition. Vapour may explosive mixtures with air. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, etc when handling. Aerosol cans may explode at temperature above 50°C.

5.3 ADVICE FOR FIREFIGHTERS

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Fire-fighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SPECIAL FIRE FIGHTING PROCEDURES

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

For emergency responders:

Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

6.2 Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Methods for containment:

Stop leak if you can do so without risk. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. Prevent product from entering drains.

Methods for cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

Prevention of secondary hazards

Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers.

6.4 Reference to other sections

For waste disposal, see section 13 of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure.

General hygiene considerations

When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials(see section 10 of the SDS).

7.3 SPECIFIC END USE(S)

Risk Management Methods (RMM)

All relevant information is contained within this safety data sheet

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

EXPOSURE LIMITS

Chemical Name	TWA	STEL
	mg/m³	mg/m³
Liquefied petroleum gas 68476-85-7	1000	1500
Naphtha (petroleum), hydrotreated light 64742-49-0	500	500
Distillates (petroleum), solvent dewaxed 64742-56-9	5	5

BIOLOGICAL LIMIT VALUES

No biological exposure limits noted for the ingredients.

RECOMMENDED MONITORING PROCEDURES

Follow standard monitoring procedures.

8.2 EXPOSURE CONTROLS

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment (PPE)

Eye/Face Protection

Wear safety glasses with side shields (or goggles) according to EN166

Hand Protection

Wear suitable protective gloves tested to EN374. Recommended gloves are Nitrile. Neoprene

Skin and body protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use an EU-OSHA approved cartridge respirator with an A1 organic vapour filter. Use a self contained breathing apparatus in confined spaces and for emergencies

General Hygiene Measures

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid
Form	Aerosol
Colour	White

Odour Solvent

Odour Threshold Not available

pH Not available

Melting/Freezing Point Not available

Initial boiling point and boiling range Not available

Flash point <23°C (Propellant)

Evaporation rate Not available

Flammability (solid, gas) Flammable

Upper/lower flammability or explosive limits

Flammability Limit - Upper (%) Not available

Flammability Limit - Lower (%) Not available

Vapour Pressure Not available

Vapour Density (air=1) >1

Relative Density Not available

Relative Density Not available

Temperature**Solubility(ies)**

Solubility (water) Not available

Partition Coefficient (n-octanol/water) Not available

Auto-ignition temperature Not available

Decomposition temperature Not available

Viscosity Not available

Explosive properties Not available

Oxidising properties Not available

9.2 Other information

No relevant additional information

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 Stability

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Heat. Spark. Flame. Ignition sources.

10.5 Possibility of hazardous reactions

Strong oxidising agents. Acids

10.6 Hazardous decomposition products

Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

Harmful if swallowed, in contact with skin, and/or if inhaled.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
NAPHTHA (Petroleum, hydrotreated light)	>5000mg/kg (Rat)	>2000mg/kg (Rabbit)	> 7630 mg/m ³ (Rat)
DISTILLATES (Petroleum), solvent dewaxed	>5000mg/kg (Rat)	>2000mg/kg (Rabbit)	2.18mg/L (Rat) 4h

MINERAL OIL	>5000mg/kg (Rat)	>2000mg/kg (Rabbit)	>5mg/L (Rat) 4h
CALCIUM SULFONATE	>5000mg/kg (Rat)	>5000mg/kg (Rat)	>1.9mg/L (Rat) 4h
TITANIUM DIOXIDE	>2000mg/kg (Rat)	-	>5.09mg/L (Rat) 4h

Skin corrosion/irritation

Contact may result in drying and defatting of the skin, rash and dermatitis.

Serious eye damage/eye irritation

Contact may result in irritation, lacrimation, pain and redness.

Respiratory sensitisation

No data provided

Skin sensitisation

No data provided

Germ cell mutagenicity

May cause genetic defects.

The below table indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic

Chemical Name	United Kingdom
NAPHTHA (Petroleum, hydrotreated light)	Muta. 1B
LIQUEFIED PETROLEUM GAS	Muta. 1B

Carcinogenicity

May cause cancer

Chemical Name	United Kingdom
NAPTHA (Petroleum, hydrotreated light)	Carc. 1B
LIQUEFIED PETROLEUM GAS	Carc. 1A
DISTILLATES (Petroleum), solvent dewaxed	Carc. 1B
TITANIUM DIOXIDE	Carc. 2

Toxic to reproduction

No data provided.

STOT-single exposure

Not classified.

STOT-repeated exposure

Not classified.

Aspiration hazard

Not classified.

Other adverse effects

Not classified

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
NAPTHA (Petroleum, hydrotreated light)	-	LL50 value of 10 mg/L (96h, Oncorhynchus mykiss)	-	EL50 value of 4.5 mg/L (48hr, Daphnia magna)

12.2 Persistence and degradability

No information provided.

12.3 Bioaccumulative potential

No information provided.

12.4 Mobility in soil

No information provided.

12.5 Results of PBT and vPvB assessment

Not a PBT or vPvB substance

12.6 Other adverse effects

No information provided.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Waste from residues/unused products**

Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Do not puncture, incinerate or crush.

Local disposal regulations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: TRANSPORT INFORMATION

IATA

14.1 UN Number	UN1950
14.2 UN Proper Shipping Name	Aerosols
14.3 Transport Hazard Class(es)	2.1
14.4 Packing Group	Not available
14.5 Environmental Hazards	Not available
14.6 Special Precautions for user	Read safety instructions, SDS and emergency procedures before handling

IMDG

14.1 UN Number	UN1950
14.2 UN Proper Shipping Name	Aerosols
14.3 Transport Hazard Class(es)	2.1
14.4 Packing Group	Not available
14.5 Environmental Hazards	Not available
14.6 Special Precautions for user	Read safety instructions, SDS and emergency procedures before handling

RID

14.1 UN Number	UN1950
14.2 UN Proper Shipping Name	Aerosols
14.3 Transport Hazard Class(es)	2.1
14.4 Packing Group	Not available
14.5 Environmental Hazards	Not available
14.6 Special Precautions for user	Read safety instructions, SDS and emergency procedures before handling

ADR

14.1 UN Number	UN1950
14.2 UN Proper Shipping Name	Aerosols
14.3 Transport Hazard Class(es)	2.1

14.4 Packing Group	Not available
14.5 Environmental Hazards	Not available
14.6 Special Precautions for user	Read safety instructions, SDS and emergency procedures before handling

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations legislation specific for the substance or mixture

EU Reach regulations

Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

NAPTHA Petroleum, hydrotreated light (CAS No. 64742-49-0)

Liquefied Petroleum Gas (CAS No. 68476-85-7)

DISTILLATES (Petroleum), solvent dewaxed (CAS No. 64742-56-9)

Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures

NAPTHA Petroleum, hydrotreated light (CAS No. 64742-49-0)

Liquefied Petroleum Gas (CAS No. 68476-85-7)

DISTILLATES (Petroleum), solvent dewaxed (CAS No. 64742-56-9)

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

NAPTHA Petroleum, hydrotreated light (CAS No. 64742-49-0)

Liquefied Petroleum Gas (CAS No. 68476-85-7)

DISTILLATES (Petroleum), solvent dewaxed (CAS No. 64742-56-9)

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended

NAPTHA Petroleum, hydrotreated light (CAS No. 64742-49-0)

Liquefied Petroleum Gas (CAS No. 68476-85-7)

DISTILLATES (Petroleum), solvent dewaxed (CAS No. 64742-56-9)

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

NAPTHA Petroleum, hydrotreated light (CAS No. 64742-49-0)

Liquefied Petroleum Gas (CAS No. 68476-85-7)

DISTILLATES (Petroleum), solvent dewaxed (CAS No. 64742-56-9)

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

NAPTHA Petroleum, hydrotreated light (CAS No. 64742-49-0)

Liquefied Petroleum Gas (CAS No. 68476-85-7)

DISTILLATES (Petroleum), solvent dewaxed (CAS No. 64742-56-9)

Other EU Regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed

SECTION 16: OTHER INFORMATION

List of abbreviations:

H223: Flammable aerosol

H229: Pressurised container: May burst if heated

H304: May be fatal if swallowed and enters airways

H313: May be harmful in contact with skin

H340: May cause genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard >

H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>

H411: Toxic to aquatic life with long lasting effects

TWA: Time Weighted Average

STEL: Short term exposure limit

Information on evaluation method leading to the classification of mixture

The categorisation of health and environmental risks is based on a combination of computational techniques and available test data.

References:

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA__RAC)

European Chemicals Agency (ECHA) (ECHA__API)

Disclaimer:

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