



ProSolve™ White Grease 500ml

Safety Data Sheet

According to Regulation (EU) No 830/2015 and Regulation (EC) No 1272/2008

Date Revised: 15/02/2022 / Version: 2

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Material name: White Grease Aerosol

Code: WG5A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use: Lubricant

1.3 Details of the supplier of the safety data sheet

Company Name: ProSolve

Company Address: Sandall Stones Road, Kirk Sandall Industrial Estate, Doncaster, South Yorkshire, DN3 1QR

Tel: +44 (0) 1302 310 113

E-mail: enquiries@prosolveproducts.com

Web: www.prosolveproducts.com

1.4 Emergency tel. no:

National Health Service (NHS)

NHS England or Scotland: 111

NHS Wales: 0300 0604400

Northern Ireland: Call your local GP

For life-threatening emergencies: Call 999 for an ambulance.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture.

Classification 1272/2008/EC

Physical and Chemical Hazards: Flammable Aerosol Category 1; H222; H229

Human health: Skin Irrit.2; H315; STOT SE3; H336

Environment: Aquatic Chronic 2; H411

2.2 Label elements

Signal word: Danger

Contains: Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5% n-Hexane; Hydrocarbons, C6, isoalkanes, <5% n-Hexane.

Hazard Pictogram(s):

Hazard Statements:	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H315	Causes skin irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.

Precautionary

Statements:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C.
	P261	Avoid breathing vapour/spray.
	P271	Use only outdoors or in a well-ventilated area.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/eye/face protection.
	P302+P352	IF ON SKIN: Wash with soap and water.
	P332+P313	If skin irritation occurs: Get medical advice/attention.

Precautionary

Statements (continued):	P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P501	Dispose of contents/container in accordance with local/national regulations.

2.3 Other hazards

In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures:****Hazardous components**

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
LIQUEFIED PETROLEUM GAS (contains <0.1% 1,3-butadiene)	68476-85-7 270-704-2 -	Flam.Gas 1; H220 Gas under pressure; H280	30-40%
HYDROCARBONS, C6-C7, n- ALKANES, ISOALKANES, CYCLICS, <5% n-HEXANE	- 921-024-6 01-2119475514-35	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	20-30%
HYDROCARBONS, C6, ISOALKANES, <5% n-HEXANE	64742-49-0 931-254-9 01-2119484651-34	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	5-10%
HYDROCARBONS, C9-C11, n- ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	64742-48-9 919-857-5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336, EUH066	5-10%

ZINC OXIDE	1314-13-2 215-222-5	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.2-3.0%
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See Section 16 for the full text of the H-statements noted above.

4. FIRST-AID MEASURES

4.1 Description of first aid measures

General advice:

Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact:

Wash with soap and water. Seek medical advice if irritation develops.

Eye contact:

Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion:

Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation:

Remove to fresh air. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed:

May cause irritation to skin and eyes with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed:

See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media:

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:

Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment:

Wear self-contained breathing apparatus. Use personal protective equipment.

Further information:

Standard procedure for chemical fires. Use water spray to cool containers. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions:

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up:

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections:

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Do not breathe spray mist. Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, well ventilated area, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink, and animal feed.

7.3 Specific end use(s)

No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Reference
Liquefied petroleum gas	1750 mg/m ³ /1000ppm	2810 mg/m ³ /1250 ppm	EH40/2005
RCP Aliphatic solvents 60-95, low n-hexane	1000 mg/m ³ /250 ppm	-	UK SIA
Zinc oxide	5 mg/m ³	-	Supplier

DNEL:

DNEL (workers)	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5% n-Hexane	Hydrocarbons, C6, isoalkanes, <5% n-hexane
Chronic systemic effects (dermal)	773 mg/kg	13964 mg/kg bw/day
Chronic systemic effects (inhalation)	2035 mg/m ³	5306 mg/m ³

DNEL (consumers)	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5% n-Hexane	Hydrocarbons, C6, isoalkanes, <5% n-hexane
Chronic systemic effects (dermal)	699 mg/kg	1377 mg/kg bw/day
Chronic systemic effects (inhalation)	608 mg/m ³	1131 mg/m ³
Chronic local effects (inhalation)	-	1137 mg/m ³
Chronic systemic effects (oral)	699 mg/kg	1301 mg/kg/day

PNEC: The solvent is a hydrocarbon with a complex, unknown or variable composition (UVCB). Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: Unlikely to be necessary in normal circumstances; if vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time \geq 480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice.

Eye protection: Chemical splash goggles if eye contact is reasonably probable. The selected goggles or glasses must satisfy the European standard EN 166.

Skin and body protection: Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing has to satisfy the standard EN 13034, which describes clothing offering limited 8 hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour:	Aerosol emitting white/off white spray.
Odour:	Paraffinic
Odour Threshold:	No data available
Flammability:	Extremely flammable
Flash point:	$<0^{\circ}\text{C}$
Lower explosion limit:	0.8%
Upper explosion limit:	9.0%
Explosive properties:	Not explosive
Thermal decomposition:	No data available
Auto-ignition temperature:	$>230^{\circ}\text{C}$
Oxidising properties:	Non-oxidising
Solubility in water:	Insoluble
Solubility in other solvents:	Soluble in most organic solvents.
pH:	Not applicable
Melting point/range:	No data available
Boiling point/range:	No data available
Relative density:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Partition coefficient:	n-octanol/water No data available

Viscosity (kinematic): No data available
Evaporation rate: No data available

9.2 Other information VOC Content: 76.3%

10. STABILITY AND REACTIVITY

10.1 Reactivity Generally non-reactive.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions None if stored and used as directed.
10.4 Conditions to avoid None known.
10.5 Incompatible materials None known.
10.6 Hazardous decomposition products Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Liquefied petroleum gas	Not applicable	>20mg/l (Rat) 4h	Not applicable
Hydrocarbon solvent blend	>2000 mg/kg (Rat)	>20 mg/l (Rat) 4h	>2000 mg/kg (Rat)
Zinc oxide	7950 mg/kg (Mouse)	No data available	No data available

Skin corrosion/irritation: Moderately irritating with prolonged exposure.

Serious eye damage/eye irritation: May cause mild, transient discomfort.

Respiratory or skin sensitisation: Not expected to be a sensitiser.

Repeated dose toxicity: Not expected to be a hazard.

Carcinogenicity: Not carcinogenic.

Mutagenicity: Not mutagenic.

Toxicity for reproduction: Not expected to be a hazard.

Specific target organ toxicity (STOT): May cause drowsiness or dizziness.

Further information The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of spray mist.

ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Hydrocarbon solvent blend	Daphnia	LL/EL/IL50	1-10 mg/l
	Rainbow trout	LL/EL/IL50	1-10 mg/l
	Algae	LL/EL/IL50	10-100 mg/l
Zinc oxide	Daphnia	EC50 48h	98 µg/l
	Fish	LC50 96h	320 mg/l
	Algae	ErC50 72h	0.042 mg/l

Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.

- 12.2 Persistence and degradability** Expected to be readily biodegradable in the main; Zinc oxide is not biodegradable.
- 12.3 Bioaccumulative potential** Zinc oxide has the potential for bioaccumulation.
- 12.4 Mobility in soil** Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater.
- 12.5 Results of PBT and vPvB assessment** Contains no PBT or vPvB substances.
- 12.6 Other adverse effects** The aerosol contents are potentially toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Contact licensed waste disposal company. Most aerosols can be recycled. Do not pierce or burn or use a cutting torch on the empty aerosol container.

14. TRANSPORT INFORMATION

General Information:

The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

14.1 UN number	ADR/RID/ADN; IMDG; ICAO	1950
14.2 UN proper shipping name	AEROSOLS	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	2, 5F
	ADR/RID/ADN Class	Class 2, Gases
	ADR Label No.	2.1
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary risk	2.1



14.4 Packing Group:	ADR/RID/ADN; IMDG; ICAO	Not applicable for aerosols
14.5 Environment hazards:	Marine Pollutant	Not applicable for aerosols.
14.6 Special precautions for user:	EMS	F-D, S-U
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:		Not applicable for aerosols.

15. REGULATORY INFORMATION

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

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Statutory Instruments: The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes: Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment: Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals) as amended, and Regulation EU 453/2010.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data/Expert judgement.

Health hazards: Calculation method

Environmental hazards: Calculation method

Full text of H-statements referred to under sections 2 and 3

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long-lasting effects

H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 2; 11).
SE: Single exposure (Section 2)
DNEL: Derived no effect level – a level above which humans should not be exposed. (Section 8).
PNEC: Predicted No Effect Concentration (Section 8).
TWA: Time-weighted average. (Section 8).
STEL: Short-term exposure limit. (Section 8).
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).
vPvB: very Persistent and very Bioaccumulative. (Section 12).

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. Please note that due to the on-going change in regulation from CHIP to CLP, any MSDS information in this MSDS is only considered accurate at the time of its creation. During this time classifications of substances may change. Therefore it is possible that can art work and MSDS information may differ. As such if you have any concerns we recommend you request a new MSDS from us every 6-12 months.