

CG-90 Clear Grease + P.T.F.E. H1 Food Grade

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

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

1.1 Product identifier

Product Name	CG-90 Clear Grease + P.T.F.E. H1 Food Grade.
Trade Name	CG-90 Clear Grease + P.T.F.E. H1 Food Grade.
Part No.	1955
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.

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

Identified use(s)	General long term lubrication and corrosion inhibitor with P.T.F.E. additive for increased performance. Industrial product not intended for supply to the general public.
Uses advised against	None known.

1.3 Details of the supplier of the Safety Data Sheet

Company Identification

Telephone

Fax

E-Mail (competent person)

1.4 Emergency telephone number

Emergency Phone No.

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)

Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2; Causes skin irritation.
STOT SE 3; May cause drowsiness or dizziness.
Harmful to aquatic life.

2.2 Label elements

Product Name	According to Regulation (EC) No. 1272/2008 (CLP)
Hazard pictogram(s)	CG-90 Clear Grease + P.T.F.E. H1 Food Grade.



GHS02



GHS07

Signal word(s)

Danger.



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Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H315: Causes skin irritation.
Precautionary statement(s)	H412: Harmful to aquatic life with long lasting effects. 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. P271 Use only outdoors or in a well-ventilated area. P261: Avoid breathing vapours. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
Additional Information	Keep out of reach of children. This product is aerosol packed in a limited quantity of 500ml as such it is unlikely to pose a significant spill or environmental hazard. Recommended: Wear protective gloves.
2.3 Other hazards	None.
2.4 Additional Information	For full text of H/P phrases see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol. WG-90 is a white mineral oil based lithium grease. WG-90 is water/steam/acid/alkaline substance resistant. WG-90 is reinforced with PTFE.

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Petroleum gases, liquefied.	10 - 30	68476-85-7	270-704-2	None assigned	Flam. Gas 1- H220 Press Gas, Compressed – H280
Heptane	10 - 30	64742-49-0	927-510-4	01-2119475515-33-XXXX	Flam. Liq. 2; H225, Skin Irrit. 2; H315, H336, Asp. Tox. 1; H304, Aquatic Chronic 2; H411

3.2 Additional Information

For full text of H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures



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Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
Eye Contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. If symptoms persist, obtain medical attention.
Ingestion	Unlikely route of exposure.
4.2 Most important symptoms and effects, both acute and delayed	Causes skin irritation. Vapours may cause drowsiness and dizziness.
4.3 Indication of any immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	Foam, carbon dioxide or dry powder.
Suitable Extinguishing Media	None known.
Unsuitable Extinguishing Media	Heating may cause pressure rise with risk of bursting.
5.2 Special hazards arising from the substance or mixture	Not known.
5.3 Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep fire exposed containers cool by spraying with water.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures	Eliminate sources of ignition. Ensure adequate ventilation. Stop leak if safe to do so. Avoid breathing vapours. Wear protective gloves.
6.2 Environmental precautions	Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
6.3 Methods and material for containment and cleaning up	Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Collect spillage. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Transfer to a container for disposal. Do NOT wash away into sewer. Containers must not be punctured or destroyed by burning, even when empty.
6.4 Reference to other sections	See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from: Electrostatic charge. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use product in a well-ventilated area only. Ensure adequate ventilation. Avoid breathing vapours. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.
7.2 Conditions for safe storage, including any	Protect from sunlight. Store in a well-ventilated place.



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incompatibilities	
Storage Temperature	Do not expose to temperatures exceeding 50°C/ 122°F.
Storage Life	Stable under normal conditions.
Incompatible materials	None anticipated.
7.3 Specific end use(s)	General long term lubrication with P.T.F.E. additive for increased performance. Industrial product not intended for supply to the general public.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

HEPTANE (CAS: 64742-49-0)

DNEL

Consumer – Oral: Long term systematic effects:

149mg/kg/day

Consumer – Dermal: Long term systematic effects:

149mg/kg/day

Workers – Dermal: Long term systematic effects:

300mg/kg/day

Consumer – Inhalation: Long term systematic effects:

447mg/m³

Workers – Inhalation: Long term systematic effects:

2085mg/m³

WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection



Not normally required. Wear eye protection with side protection (EN166).

Skin protection (Hand protection/Other)



Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Respiratory protection



In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.



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9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Clear.
Odour	Characteristic, Solvent.
Odour Threshold	Not available.
pH	Not applicable.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	-41 (-41 to 100) °C @.
Flash point	-40°C CC (Closed
Evaporation rate	Not applicable.
Flammability (solid, gas)	Aerosol 1; Extremely flammable aerosol.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.707
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	246°C.
Ignition temperature	No information available
Decomposition Temperature	Not available.
Viscosity	Not available.
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	Not oxidising.

9.2 Other information

None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Stable under normal conditions.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	None anticipated.
10.6 Hazardous Decomposition Product(s)	None at ambient temperatures.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixtures

Acute toxicity	STOT SE 3; May cause drowsiness or dizziness.
Inhalation	
Irritation	Skin Irrit. 2; Causes skin irritation.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitizer.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.

11.2 Other information

None.



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12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Acute toxicity – fish NOEC, : 1-10 mg/l, fish Acute toxicity – aquatic plants LOEC: 10-100mg/l, Algae Acute toxicity – microorganisms LOEC, 1-10 mg/l, Activated sludge
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	No information available.
12.4	Mobility in soil	No data available.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation. Do not allow into any sewer on the ground, or into any body of water.

14. SECTION 14: TRANSPORT INFORMATION

14.1	UN number	UN 1950
14.2	UN proper shipping name	AEROSOLS.
	ADR/RID/ADN/IMDG	AEROSOLS, FLAMMABLE.
	ICAO/IATA	
14.3	Transport hazard class(es)	
	ADR/RID/ADN	2.1
	IMDG/ICAO/IATA	2.1
14.4	Packing Group	None.
14.5	Environmental hazards	None.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	
	IMDG Code	EmS: F-D, S-U
	Tunnel Restriction Code	D

15. SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

Authorisations and/or restrictions on use

Candidate List of Substances of Very High Concern for Authorisation All chemicals are not listed.

Authorisation

REACH: ANNEX XIV LIST OF SUBSTANCES SUBJECT TO AUTHORISATION All chemicals are not listed.

SUBJECT TO AUTHORISATION

REACH: ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES All chemicals are not listed.

REACH: ANNEX XVII RESTRICTIONS ON THE

MANUFACTURE, PLACING ON THE MARKET

AND USE OF CERTAIN DANGEROUS

SUBSTANCES, MIXTURES AND ARTICLES

Community Rolling Action Plan (CoRAP); All chemicals are not listed.

Draft 29/02/2012

15.1.2 National regulations

None known.

15.2 Chemical Safety Assessment

Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

List contains all hazards and precautions which may/may not be applicable to this product.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Aerosol 1	Aerosol Category 1
Asp. Tox. 1	Aspiration hazard Category 1
Flam. Gas 1	Flammable gas Category 1
Flam. Liq. 2	Flammable Liquid Category 2
Flam. Liq. 3	Flammable Liquid Category 3
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment Category 2
Press. Gas	Gases under pressure

Hazard statement(s) and Precautionary statement(s)

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
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.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
P264	Wash hands thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.



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P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P403 Store in a well-ventilated place.

Hazard pictogram(s) and Hazard Symbol

GHS02



GHS04



GHS07



GHS08



GHS09



Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.