

White Grease

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
First edition: 1-6-1997 Last revision: 10-2-2016 Version: 17.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Name : White Grease
Product number : 03.0100.0100
Type of product : Aerosol

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance or preparation : White Grease is a high-quality, water and heat resistant white grease

Title	Use descriptors
Industrial use	SU3, PC24, PROC7
Professional use	SU22, PC24, PROC11

Full text of use descriptors: see section 16

1.2.2. Uses advised against

Consumer use, This product requires technical knowledge in order to properly use it. Therefore, it is intended for professional/industrial use only

1.3. Details of the supplier of the safety data sheet

PCS Innotec International NV
Schans 4
BE - 2480 Dessel
T.: +32 (0) 14 32 60 01
F.: +32 (0) 14 32 60 12
environment@PCS-innotec.com

Distributor:
Innotec Supplies Ltd.
Unit 25 Glenmore Business Park,
Telford RD
UK - SP2 7GL Salisbury, Wiltshire
T.: +44 (0)1722411744
F.: +44 (0)1722411788
info@innotecworld.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Aerosol, Category 1 H222;H229
Specific target organ toxicity — Single H336
exposure, Category 3, Narcosis
Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment H411
— Chronic Hazard, Category 2

Full text of hazard classes and H-statements : see section 16

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Adverse physicochemical, human health and environmental effects

Warning! Pressurized container. Has a narcotizing effect.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazardous ingredients

: Pentane; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Hazard statements (CLP)

: H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP)

: 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
P260 - Do not breathe spray
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear protective gloves, eye protection
P301+P310 - IF SWALLOWED: Immediately call a doctor
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P331 - Do NOT induce vomiting
P403 - Store in a well-ventilated place
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Butane (Contains < 0,1% butadiene (203-450-8)) (Note C)(Note U)	(CAS number) 106-97-8 (EINECS / ELINCS number) 203-448-7 (REACH-no) 01-2119474691-32	25 - 50	Flam. Gas 1, H220 Press. Gas
Pentane (Note C)	(CAS number) 109-66-0 (EINECS / ELINCS number) 203-692-4 (EC Index No) 601-006-00-1 (REACH-no) 01-2119459286-30	10 - 25	Flam. Liq. 1, H224 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Propane (Note U)	(CAS number) 74-98-6 (EINECS / ELINCS number) 200-827-9 (REACH-no) 01-2119486944-21	10 - 25	Flam. Gas 1, H220 Press. Gas
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	(EINECS / ELINCS number) 920-750-0 (REACH-no) 01-2119473851-33	2,5 - 10	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U : When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	: Get medical advice/attention if you feel unwell.
Inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	: As a general rule, the product is non-irritating to the skin.
Eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	: Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting.

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

Inhalation	: May cause drowsiness or dizziness.
Skin contact	: Repeated exposure may cause skin dryness or cracking.

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

No information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Carbon dioxide. Alcohol resistant foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions	: Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable protective clothing.
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6.1.1. For non-emergency personnel

Protective equipment	: Refer to protective measures listed in sections 7 and 8.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Ensure adequate ventilation.

6.4. Reference to other sections

Stable in handling and storage conditions as recommended in section 7. Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Pressurized container: Do not pierce or burn, even after use. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. In use, may form flammable vapour-air mixture.
Precautions for safe handling	: Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Take precautionary measures against static discharge. Provide good ventilation in process area to prevent formation of vapour. Eliminate all ignition sources if safe to do so.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Do not expose to temperatures exceeding 50 °C. Protect from sunlight. Store in a well-ventilated place. Store in a dry place. No smoking. Keep away from ignition sources.
Technical condition(s)	: Impermeable underground / retention basin. Store in a well-ventilated place.
Special rules on packaging	: Keep container tightly closed and dry. Keep only in original container.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Butane (106-97-8)		
United Kingdom	Local name	Butane
United Kingdom	WEL TWA (mg/m ³)	1450 mg/m ³
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m ³)	1810 mg/m ³
United Kingdom	WEL STEL (ppm)	750 ppm
United Kingdom	Remark (WEL)	Carc (Capable of causing cancer and/or heritable genetic damage. See paragraphs 49–51), (only applies if Butane contains more than 0.1% of buta-1,3-diene)

Pentane (109-66-0)		
United Kingdom	Local name	Pentane
United Kingdom	WEL TWA (mg/m ³)	1800 mg/m ³
United Kingdom	WEL TWA (ppm)	600 ppm

Pentane (109-66-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	432 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3000 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	214 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	643 mg/m ³
Long-term - systemic effects, dermal	214 mg/kg bodyweight/day

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m ³
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Gloves. Safety glasses. In case of inadequate ventilation wear respiratory protection.

Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Eye protection:

In case of splash hazard: safety glasses

Skin protection:

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Wear suitable protective clothing

Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Recommended: filter type AX/P2



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol.
Colour	: Light yellow - white.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: No data available
Evaporation rate	: No data available
Melting point/melting range	: No data available
Freezing point	: No data available
Boiling point/range	: -44 °C Not applicable, since the product is an aerosol.
Flash point	: -97 °C Not applicable, since the product is an aerosol.
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 8300 hPa (20 °C)
Vapour density	: No data available
Relative density (water = 1)	: 0,635 (20 °C)
Solubility	: Water: Not miscible or difficult to mix.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 0,7 - 10,9 vol %

9.2. Other information

V.O.C. (V.O.S.) : 520,4 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No information available

10.4. Conditions to avoid

No information available

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

No information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

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Butane (106-97-8)	
LC50/inhalation/4h/rat	658000 mg/m ³
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 2800 mg/kg
LC50/inhalation/4h/rat	> 23 mg/l
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Pentane (109-66-0)	
LC50/96h/fish	4,26 mg/l (Oncorhynchus mykiss)
EC50/48h/daphnia magna	2,7 mg/l
EC50 other aquatic organisms	10,7 mg/l (72h, Pseudokirchneriella subcapitata)
NOEC (chronic)	7,51 mg/l (72h, Pseudokirchneriella subcapitata)
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
LC50/96h/fish	> 13,4 (Oncorhynchus mykiss)
EC50/48h/daphnia magna	3 mg/l
EC50 other aquatic organisms	10 - 30 (72h, Pseudokirchneriella subcapitata)
LOEC (chronic)	0,32 mg/l (21 Days, Daphnia magna)
NOEC (chronic)	0,17 mg/l (21 days, Daphnia magna)

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

Other adverse effects : Toxic to fish.
Additional information : Danger to drinking water, even if small amounts leak into the subsoil.. Also poisonous for fish and plankton in water bodies.. Toxic to aquatic organisms

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste / unused products : Avoid release to the environment. Should not be landfilled with household waste.
European List of Waste (LoW) code : 14 06 03* - other solvents and solvent mixtures
15 01 04 - metallic packaging

SECTION 14: Transport information

In accordance with ADR / IMDG

14.1. UN number

UN-No. (ADR) : 1950

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UN-No. (IMDG) : 1950

14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS, flammable
Proper Shipping Name (IMDG) : AEROSOLS
Transport document description (ADR) : UN 1950 AEROSOLS, flammable, 2.1, (D)
Transport document description (IMDG) : UN 1950 AEROSOLS, 2

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 2.1
Danger labels (ADR) : 2.1



IMDG

Transport hazard class(es) (IMDG) : 2

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes (ADR 5.2.1.8.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg))
Marine pollutant : Yes (ADR 5.2.1.8.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg))
Further information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : 5F
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Transport category (ADR) : 2
Tunnel restriction code : D

- Transport by sea

Limited quantities (IMDG) : 1 L
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

V.O.C. (V.O.S.) : 520,4 g/l

15.1.2. National regulations

No information available

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CLP = Classification, labelling and packaging
	CAS = Chemical Abstracts Service
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STEL = Short term exposure limit
	STOT RE = specific target organ toxicity repeated exposure
	STOT SE = specific target organ toxicity single exposure
	TLV = Threshold Limit Value
	SVHC = Substance of Very High Concern
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración
	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefährdungsklasse

Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1	Flammable gases, Category 1
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas	Gases under pressure

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STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H224	Extremely flammable liquid and vapour
H225	Highly flammable liquid and vapour
H229	Pressurised container: May burst if heated
H304	May be fatal if swallowed and enters airways
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking
PC24	Lubricants, Greases and Release Products
PROC11	Non industrial spraying
PROC7	Industrial spraying
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites

Aerosol 1	H222;H229	
STOT SE 3	H336	
Asp. Tox. 1	H304	
Aquatic Chronic 2	H411	

Section(s) changed compared to the previous issue 1,2,3,4,5,6,7,8,9,10,11,12,14,16

Previous revision 25/11/2013

Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.