



GREASE K-PAG

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

ISSUE DATE: 28.04.2014
REVISION DATE: 08.02.2018
SUPERSEDES DATE: 05.06.2014
VERSION: 3.2

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

1.1. Product identifier

Trade name	Grease K-PAG
Product code	Ford Internal Ref.: 178006
SDS Number	7683
Product use	Professional use

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

Relevant identified uses	Lubricants, Grease
Uses advised against	No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier	Distributor
Ford-Werke GmbH	Ford Motor Company Ltd.
Edsel-Ford-Str. 2-14	Parts Distribution Centre
50769 Cologne	Royal Oak Way South
Germany	NN11 8NT Daventry, Northants
+49 221 90-33333	United Kingdom
sdseu@ford.com	+44 1327 305 198

1.4. Emergency telephone number

+49 (0) 6132-84463 (GBK GmbH – 24/7)

2. SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

This mixture does not meet the criteria for labelling according to Regulation (EC) 1272/2008 as amended.

Supplemental hazard information

EUH208	Contains 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl-. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

3. SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS- No EC- No Index No RRN	%	Classification according to Regulation (EC) No. 1272/2008	Notes
1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl-	94270-86-7 619-007-0	0,1 - < 0,25	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411	

Full text of H-statements: see section 16

4. SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin contact:	Wash contaminated clothing before reuse. Wash skin with soap and water.
Eyes contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	Do not induce vomiting. Get medical attention if symptoms occur.

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

Symptoms/effects after inhalation	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	Repeated or prolonged skin contact may cause dermatitis and defatting.
Symptoms/effects after eye contact	Not expected to present a significant eye contact hazard under anticipated conditions of normal use. Exposure may cause temporary irritation, redness, or discomfort.
Symptoms/effects after ingestion	On ingestion in large quantities: Diarrhea. Nausea.

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

Treat symptomatically.

5. SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	carbon dioxide (CO ₂), powder, water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO ₂). Water spray.
Unsuitable extinguishing media	Do not use a water jet since it may cause the fire to spread.

5.2. Special hazards arising from the substance or mixture

Fire hazard	pressure rise and possible bursting of container.
Explosion hazard	No direct explosion hazard.
Reactivity in case of fire	Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.
Hazardous combustion products	During fire, gases hazardous to health may be formed. Thermal decomposition generates : Carbon oxides (CO, CO ₂). Metal oxides. nitrogen oxides (NO _x) and sulphur oxides. Sulphur oxides.

5.3. Advice for firefighters

Precautionary measures fire	Evacuate area. Use standard firefighting procedures and consider the hazards of other involved materials.
Firefighting instructions	Use standard firefighting procedures and consider the hazards of other involved materials.
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Do not handle until all safety precautions have been read and understood. If spilled, may cause the floor to be slippery. Keep people away from and upwind of spill/leak. Keep unnecessary personnel away.

For non-emergency personnel

Protective equipment Do not touch or walk on the spilled product.

Emergency procedures Evacuate unnecessary personnel. Provide adequate ventilation.

For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures Stop leak if safe to do so. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

For containment Stop leak without risks if possible. Move container from fire area if it can be done without risk.

Methods for cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. 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). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

Other information Dispose in accordance with all applicable regulations.

6.4. Reference to other sections For further information refer to section 13.

7. SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures 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. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Do not handle or store near an open flame, heat or other sources of ignition. Keep container tightly closed. Keep cool. Protect from sunlight. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Lubricant. Grease.

8. SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limits.

DNEL: Derived no effect level

No data available

PNEC: Predicted no effect concentration

No data available

8.2. Exposure controls

Appropriate engineering controls	Good standard of general ventilation, Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment		
Materials for protective clothing	Wear suitable protective clothing.		
Individual protection measures, such as personal protective equipment (PPE)			
Eye protection	Safety glasses		
Skin protection			
Hand protection	The protective gloves to be used must comply with the specification of EU directive 89/686/EC and the resultant standard EN374. The above given information is based on laboratory test in line with EN374. The recommendation is only valid for the supplied product and the stated application. Special working conditions, like heat or mechanical strain, which deviate from the test conditions, can reduce the protective effect provided by the recommended glove		
Material	Permeation	Thickness (mm)	Comments
Nitrile rubber (NBR)	6 (> 480 minutes)	0,4 mm	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
In case of splash contact: Nitrile rubber (NBR)	6 (> 480 minutes)	0,4 mm	Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.
Other protective measures	No additional information available.		
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. High efficiency particulate air filter (HEPA filter)		
Thermal hazard protection	No additional information available.		
Environmental exposure controls	Avoid release to the environment.		

9. SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Paste.
Colour	Beige.
Odour	Characteristic.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	< 0.001 hPa (@ 20 °C)
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	0.97 g/cm ³ (@ 20 °C)
Solubility	insoluble in water.
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Not explosive.
Oxidising properties	No data available

Explosive limits	No data available
9.2. Other information	
VOC (EU)	0 %
10. SECTION 10: Stability and reactivity	
10.1. Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid	None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials	No additional information available.
10.6. Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met May cause an allergic skin reaction
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

12. SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

Grease K-PAG

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

Grease K-PAG

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

12.6. Other adverse effects

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

13. SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

European List of Waste (LoW) code

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

19 08 10* grease and oil mixture from oil/water separation other than those mentioned in 19 08 09

15 01 06 mixed packaging

14. SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

Not regulated for transport

15. SECTION 15: Regulatory information

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

EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006

1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl- 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl- 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC (EU) 0 %

Seveso Information Not applicable

National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

16. SECTION 16: Other information

Indication of changes

Section 1 - Section 16.

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE	Acute Toxicity Estimate.
BCF	Bioconcentration factor.
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
DMEL	Derived Minimal Effect level.
DNEL	Derived-No Effect Level.
DPD	Dangerous Preparations Directive 1999/45/EC.
DSD	Dangerous Substances Directive 67/548/EEC.
EC50	Median effective concentration.
IARC	International Agency for Research on Cancer.
IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods.
LC50	Median lethal concentration.
LD50	Median lethal dose.
LOAEL	Lowest Observed Adverse Effect Level.
NOAEC	No-Observed Adverse Effect Concentration.
NOAEL	No-Observed Adverse Effect Level.
NOEC	No-Observed Effect Concentration.
OECD	Organisation for Economic Co-operation and Development.
PBT	Persistent Bioaccumulative Toxic.
PNEC	Predicted No-Effect Concentration.
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail.
SDS	Safety Data Sheet.
vPvB	Very Persistent and Very Bioaccumulative.
OEL	Occupational Exposure Limit.
RRN	REACH Registration no.
VOC	Volatile organic compounds.

Data sources REGULATION (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.

Full text of H- and EUH-statements

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
Skin Sens. 1	Skin sensitisation, Category 1.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl-. May produce an allergic reaction..
EUH210	Safety data sheet available on request..

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Attachment to the Safety Data Sheet



Product Name: Grease K-PAG
Ford Int. Ref. No.: 178006

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Involved Products:

	Finiscode	Part number	Container Size:
1.	1 522 042	8U7J M1C246 AA	90 g