GREASE F-RPAG

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



ISSUE DATE: 17.11.2021 REVISION DATE: 17.11.2021

VERSION: 1.0

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	Grease F-RPAG
Product code	:	Ford Internal Ref.: 505595
SDS Number	:	9322
UFI	:	RM75-5F3M-H109-0GE6
Product use	:	Professional use

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

1.2.1. Relevant identified uses

Function or use category

: Lubricants, Greases and Release Products

1.2.2. Uses advised against

Restrictions on use

: None known

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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Health hazards	Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Environmental hazards	Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms

Signal word Contains



Warning Naphthenic acids, zinc salts, basic

Hazard statements H317 H412	May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.
Precautionary statements	
Prevention	
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, eye protection, face protection.
Response	
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
EUH-statements	EUH208 - Contains 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.
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.

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 [CLP]	Notes
Dilithium azelate	38900-29-7 254-184-4 01-2120119814-57-XXXX	5 -< 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)	
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	4259-15-8 224-235-5 01-2119493635-27-XXXX	1 -< 2,5	Eye Dam. 1, H318 Aquatic Chronic 2, H411	(0 ≤C < 100) Eye Irrit. 2, H319 (50 <c 1,<br="" 100)="" dam.="" eye="" ≤="">H318</c>
2,6-di-tert-butyl-p-cresol	128-37-0 204-881-4 01-2119565113-46-XXXX	0,25 -< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
Hexanoic acid, 2-ethyl-, zinc salt, basic	85203-81-2 286-272-3 01-2119979093-30-XXXX	0,1 -< 1	Eye Irrit. 2, H319 Repr. 2, H361d Aquatic Chronic 3, H412	
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	72676-55-2 276-763-0 01-2120119820-64-XXXX	0,1 -< 1	Skin Sens. 1, H317 Aquatic Chronic 2, H411	
Naphthenic acids, zinc salts, basic	84418-50-8 282-762-6 01-2119988500-34-XXXX	0,1 -< 1	Resp. Sens. 1, H334 Skin Sens. 1A, H317 Aquatic Chronic 3, H412	

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	-	ware of the material(s) involved, and take precaution ing by mouth to an unconscious person.	is to
First-aid measures after inhalation	: Remove person to fresh air and keep symptoms: Call a poison center or a	comfortable for breathing. If experiencing respirato doctor.	ſy
First-aid measures after skin contact	: Gently wash with plenty of soap and occurs: Get medical advice/attention.	water. Take off contaminated clothing. If skin irritatic	n or rash
First-aid measures after eye contact		ulling the eyelids well away from the eye (15 minutes present and easy to do. Continue rinsing. Consult a	
First-aid measures after ingestion	: Rinse mouth out with water. Call a po	bison center or a doctor if you feel unwell.	
Product code: Ford Internal Ref.: 505595	GB - en	Revision date: 11/17/2021	2/11

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

Treat symptomatically. Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam.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 Hazardous decomposition products in case of fire	 During fire, gases hazardous to health may be formed. Toxic fumes may be released. Carbon oxides (CO, CO2). Metal oxides. Nitrogen oxides. Sulphur oxides.
5.3. Advice for firefighters	

Firefighting instructions : Use water spray or fog for cooling exposed containers. Move containers from fire area if it can be done without personal risk. Prevent runoff from entering water courses, sewers and basements. Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	woid contact with skin and eyes. Do not touch or walk on the spilled product. Keep unnecessary ersonnel away.
6.1.1. For non-emergency personnel	
	or further specification, refer to section 8 of the SDS. /entilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust, fume, vapours.
6.1.2. For emergency responders	
Protective equipment	to not attempt to take action without suitable protective equipment. For further information refer to ection 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

For containment	: Stop the flow of material, if this is without risk. Move containers from fire area if it can be done without personal risk.
Methods for cleaning up	 Large Spills: Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Small spills: Scrape up material.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

SECTION 7: Handling and storage

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13:" Disposal considerations".

7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust, fume, vapours. 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Incompatible products

Special rules on packaging

Store in a well-ventilated place. Keep cool.
Keep away from open flames, hot surfaces and sources of ignition. Strong acids. Strong bases. Strong oxidizing agent.
Keep only in original container.

7.3. Specific end use(s)

Lubricants, Greases and Release Products.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

2,6-di-tert-butyl-p-cresol (128-37-0)			
United Kingdom - Occupational Exposure Lim	its		
Local name	2,6-Di-tert-butyl-p-cresol		
WEL TWA (OEL TWA) [1]	10 mg/m ³		
Regulatory reference	EH40. HSE		
8.1.2. Recommended monitoring procedures			
No additional information available			
8.1.3. Air contaminants formed			
No additional information available			
8.1.4. DNEL and PNEC			
Dilithium azelate (38900-29-7)			
DNEL/DMEL (Workers)			
Long-term - local effects, dermal	0.046 mg/cm ²		
DNEL/DMEL (General population)			
Acute - systemic effects, oral	27 mg/kg bodyweight		
Long-term - local effects, dermal	0.023 mg/cm ²		
PNEC (Water)			
PNEC aqua (freshwater)	0.023 mg/l		
PNEC aqua (marine water)	0.002 mg/l		
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophos)	phate) (4259-15-8)		
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal	9.6 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	6.6 mg/m ³		
DNEL/DMEL (General population)			
Long-term - systemic effects,oral	0.19 mg/kg bodyweight/day		
Long-term - systemic effects, inhalation	1.67 mg/m³		
Long-term - systemic effects, dermal	4.8 mg/kg bodyweight/day		
PNEC (Water)			
PNEC aqua (freshwater)	4 µg/L		
PNEC aqua (marine water)	4.6 μg/L		
PNEC aqua (intermittent, freshwater)	44 µg/L		
PNEC (Sediment)			
PNEC sediment (freshwater)	0.322 mg/kg dwt		
Product code: Ford Internal Ref.: 505595	GB - en	Revision date: 11/17/2021	4/1

PNEC sediment (marine water)	0.032 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.062 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	8.33 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	3.8 mg/l
2,6-di-tert-butyl-p-cresol (128-37-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3.5 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.86 mg/m³
Long-term - systemic effects, dermal	0.25 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.199 µg/L
PNEC aqua (marine water)	0.02 µg/L
PNEC aqua (intermittent, freshwater)	1.99 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	99.6 µg/kg dw
PNEC sediment (marine water)	9.96 µg/kg dw
PNEC (Soil)	
PNEC soil	47.69 μg/kg dw
PNEC (Oral)	
PNEC oral (secondary poisoning)	8.33 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	0.17 mg/l
Hexanoic acid, 2-ethyl-, zinc salt, basic (85203-81-	-2)
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	6.41 mg/kg bw/day
Long-term - systemic effects, inhalation	20.83 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	3.21 mg/m³
Long-term - systemic effects, dermal	3.21 mg/m³
Long-term - local effects, inhalation	10.42 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	20.6 µg/L
PNEC aqua (marine water)	6.1 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	117.8 mg/kg dwt
PNEC sediment (marine water)	56.5 mg/kg dwt

PNEC (Soil)	
PNEC soil	36.6
PNEC (STP)	
PNEC sewage treatment plant	52 µg/L
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione (72676-55	5-2)
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.93 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3.29 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.17 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.56 mg/m ³
Long-term - systemic effects, dermal	0.33 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.003 mg/l
PNEC aqua (marine water)	0
PNEC aqua (intermittent, freshwater)	0.003 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.039 mg/kg dwt
PNEC sediment (marine water)	0.004 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.006 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0.31 mg/l
Naphthenic acids, zinc salts, basic (84418-50-8)	
PNEC (Water)	
PNEC aqua (freshwater)	0.64 μg/L
PNEC aqua (marine water)	6.39 µg/L
PNEC aqua (intermittent, freshwater)	63.86 µg/L
PNEC aqua (intermittent, marine water)	6.39 μg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	31.93 mg/kg dwt
PNEC sediment (marine water)	3.19 mg/kg dwt
PNEC (Soil)	
PNEC soil	6.38 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	147.73 μg/L
8.1.5. Control banding	
No additional information available	

8.2. Exposure controls

8.2.1. Appropriate engineering 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 below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.2.2. Personal protection equipment

Personal protective equipment:

Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. EN 166. Safety glasses with side shields 8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

EN 374. Protective gloves. 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	EN ISO 374		
			Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.		
In case of splash contact:	6 (> 480 minutes)	0,4	EN ISO 374		
Nitrile rubber (NBR)	ΥΥΥΥ Υ		Glove recommendation: Camatril Velours® 730 (Kächele-Cama GmbH, source of supply see www.kcl.de) or comparable product.		
8.2.2.3. Respiratory protect	tion				
Respiratory protection:					
In case of insufficient ventilation, wear suitable respiratory equipment 8.2.2.4. Thermal hazards					
Thermal hazard protection:	:				
Wear appropriate thermal protective clothing, when necessary.					
8.2.3. Environmental exposure controls					
Environmental exposure controls: Avoid release to the environment.					
SECTION 0. Developing and examined properties					

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste.
Colour	: light brown.
Odour	: Characteristics.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available

Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.15 g/cm ³ @ 25°C
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable
9.2. Other information	

9.2. Other information

VOC (EU)

: 0 %

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

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Based on available data, the classification criteria are not met
Acute toxicity (dermal)	:	Based on available data, the classification criteria are not met
Acute toxicity (inhalation)	:	Based on available data, the classification criteria are not met

Grease F-RPAG ATE CLP (oral)

> 2000 mg/kg

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) (4259-15-8)			
LD50 oral rat	3100 mg/kg (OECD 401 method)		
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	: 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		
Grease F-RPAG			
Viscosity, kinematic	Not applicable		

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general Hazardous to the aquatic environment, short-term	: Harmful to aquatic life with long lasting effects. : Not classified
(acute) Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
2,6-di-tert-butyl-p-cresol (128-37-0)	
EC50 - Crustacea [1]	1.44 ml/l Not rapidly degradable
LC0, Fish, acute, algae	0.31 g/l
12.2. Persistence and degradability	
Zinc bis[0,0-bis(2-ethylhexyl)] bis(dithiophosphate	e) (4259-15-8)
Biodegradation	5 % 28 days (OECD 301B methode)
Naphthenic acids, zinc salts, basic (84418-50-8)	
Persistence and degradability	Inherently biodegradable.
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 F-RPAG	
This substance/mixture does not meet the PBT criteria	of REACH regulation, annex XIII.
This substance/mixture does not meet the vPvB criteri	a of REACH regulation, annex XIII.
Component	
Naphthenic acids, zinc salts, basic (84418-50-8)	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.
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.
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Regional legislation (waste)	: Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Do not allow this material to drain into sewers/water supplies.
European List of Waste (LoW) code	 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. 12 01 12* - spent waxes and fats
	15 01 10 [°] - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport Information

In accordance with ADR / IMDG / IATA / ADN / RID Not regulated for transport

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

EU restriction list (REACH Annex XVII)

	,		
Reference code	Applicable on		
3(b)	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) ; Hexanoic acid, 2-ethyl-, zinc salt, basic ; Naphthenic acids, zinc salts,		
	basic		
3(c)	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) ; 2,6-di-tert-butyl-p-cresol ; Hexanoic acid, 2-ethyl-, zinc salt, basic ; Naphthenic acids, zinc salts, basic		
Contains no substance on the	e REACH candidate list		
Contains no REACH Annex X			
		2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import	
Contains no substance subject pollutants	ct to Regulation (EU) No 2019	/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic	
VOC content	:	0 %	
Other information, restriction	and prohibition regulations:	Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. Directive 94/33/EC on the protection of young people at work, as amended. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. For details, refer to section 3 and 8.	
Directive 2012/18/EU (SEVE	SO III)		
		Not applicable	
15.1.2. National regulations			
No additional information ava	ilable		
15.2. Chemical safety as	sessment		

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

None.

Abbreviations and acronyms

ADREuropean Agreement concerning the International Carriage of Dangerous Goods by RoadATEAcute Toxicity EstimateBCFBioconcentration factorBLVBiological limit valueBODBiochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and DevelopmentOELOccupational Exposure Limit	ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
BCFBioconcentration factorBLVBiological limit valueBODBiochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research o	ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BLVBiological limit valueBODBiochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Ari Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOECNo-Observed Adverse Effect LevelNOECOrganisation for Economic Co-operation and Development	ATE	Acute Toxicity Estimate
BODBiochemical oxygen demand (BOD)CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Aritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELNo-Observed Effect ConcentrationNOECOrganisation for Economic Co-operation and Development	BCF	Bioconcentration factor
CODChemical oxygen demand (COD)DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	BLV	Biological limit value
DMELDerived Minimal Effect levelDNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Agency for Research on CancerIATAInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELNo-Observed Effect ConcentrationNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	BOD	Biochemical oxygen demand (BOD)
DNELDerived-No Effect LevelEC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect LevelNOECOrganisation for Economic Co-operation and Development	COD	Chemical oxygen demand (COD)
EC-No.European Community numberEC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	DMEL	Derived Minimal Effect level
EC50Median effective concentrationENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOECOrganisation for Economic Co-operation and Development	DNEL	Derived-No Effect Level
ENEuropean StandardIARCInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	EC-No.	European Community number
IARCInternational Agency for Research on CancerIATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect LevelNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	EC50	Median effective concentration
IATAInternational Air Transport AssociationIMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	EN	European Standard
IMDGInternational Maritime Dangerous GoodsLC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	IARC	International Agency for Research on Cancer
LC50Median lethal concentrationLD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	IATA	International Air Transport Association
LD50Median lethal doseLOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	IMDG	International Maritime Dangerous Goods
LOAELLowest Observed Adverse Effect LevelNOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	LC50	Median lethal concentration
NOAECNo-Observed Adverse Effect ConcentrationNOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	LD50	Median lethal dose
NOAELNo-Observed Adverse Effect LevelNOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	LOAEL	Lowest Observed Adverse Effect Level
NOECNo-Observed Effect ConcentrationOECDOrganisation for Economic Co-operation and Development	NOAEC	No-Observed Adverse Effect Concentration
OECD Organisation for Economic Co-operation and Development	NOAEL	No-Observed Adverse Effect Level
	NOEC	No-Observed Effect Concentration
OEL Occupational Exposure Limit	OECD	Organisation for Economic Co-operation and Development
	OEL	Occupational Exposure Limit
PBT Persistent Bioaccumulative Toxic	PBT	Persistent Bioaccumulative Toxic

PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

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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

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
EUH208	Contains 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H361d	Suspected of damaging the unborn child.
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.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Skin Sens. 1	H317	Calculation method
Aquatic Chronic 3	H412	Calculation method

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 F-RPAG

Ford Int. Ref. No.: 505595

REVISION DATE: 17.11.2021

Involved Products:

Finiscode		
1	2 602 262	

Part number MU7J 19G209 FA **Container Size:** 180 g