

Page 1/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

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

- · 1.1 Product identifier
- · Trade name: TRW Never Squeeze Grease
- · Article number: 32960136.Z, 32960136, 32960177.Z, 32960177
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- Application of the substance / the mixture Lubricant
- · 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: TRW Automotive Aftermarket Stratford Road Shirley West Midlands B90 4AX United Kingdom Tel. +44.121.506.5000 Fax +44.121.506.5001 www.trwaftermarket.com cst.uk@trw.com
- Informing department: Phone: +49 (0) 2631 / 912 0
- **1.4 Emergency telephone number:** Poison Information Center Munich Phone: +49 (0) 89 - 19 240 Information in German and English

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008
- The product is classified and labelled according to the CLP regulation. • *Hazard pictograms*



· Signal word Void

(Contd. on page 2)



Page 2/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

(Contd. from page 1)

Trade name: TRW Never Squeeze Grease

· Hazard statements

- H411 Toxic to aquatic life with long lasting effects.
- · Precautionary statements
- P273 Avoid release to the environment.
- P501 Dispose of contents/container in accordance with local / regional / national / international regulations.
- · Labelling of packages where the contents do not exceed 125 ml
- · Hazard pictograms



- Signal word Void
 Hazard statements Void
- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description:

Lithium soap lubricating grease on the basis of mineral oils.

Mixture of the substances listed below including additives not requiring identification.

Dangerous components:		
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-X	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2.5 - 10%
CAS: 7429-90-5 EINECS: 231-072-3 Reg.nr.: 01-2119529243-45-X	aluminium powder (stabilised) Tlam. Sol. 1, H228; Water-react. 2, H261	2.5 - 10%
CAS: 7440-50-8 EINECS: 231-159-6 Reg.nr.: 01-2119480154-42-X	copper powder Aquatic Acute 1, H400; Aquatic Chronic 3, H412	2.5 - 10%
CAS: 7440-44-0 EINECS: 231-153-3 Reg.nr.: 01-2119966900-32-X	carbon Tlam. Sol. 1, H228; Self-heat. 1, H251	≤ 1%
• Additional information For the wording of the listed hazard phrases refer to section 16.		

(Contd. on page 3)

GB -



Page 3/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

(Contd. from page 2)

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · After inhalation Supply fresh air.
- · After skin contact
- The product is not skin irritating. Wash with water and soap.
- Wash with water and so
- After eye contact
 Rinse opened eye for several minutes under running water.
 In case of permanent aches and pains please go and see the doctor.
- *After swallowing* Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult doctor. Do not induce vomitting.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents

Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire fighting measures that suit the environment.

- · For safety reasons unsuitable extinguishing agents Water.
- 5.2 Special hazards arising from the substance or mixture
- Do not inhale smoke and combustion products.
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained breathing apparatus.
- · Additional information

Collect contaminated fire fighting water separately. It must not enter drains. Provide sufficient fire fighting water retention.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures	
Ensure adequate ventilation	
Particular danger of slipping on leaked/spilled product.	
6.2 Environmental precautions:	
Gather mechanically and reuse, if possible.	
Do not allow to enter drainage system, surface or ground water.	
Keep dirty washing water for appropriate disposal.	
6.3 Methods and material for containment and cleaning up:	
Collect mechanically.	
	(0



Page 4/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

(Contd. from page 3)

Send for recovery or disposal in suitable containers.

6.4 Reference to other sections

See Section 7 for information on safe handling See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Don't eat, drink or smoke while working.

- Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and containers: Keep container tightly closed.
- · Information about storage in one common storage facility:
- Keep away from food, drink and animal feeding stuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed containers. Storage temperature < 50°C.
 Storage stability at least 5 years.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with limit values that require monitoring at the workplace:

WEL: workplace exposure limit

7429-90-5 aluminium powder (stabilised)			
WEL (Great Britain) Long-term value: 10* 4** mg/ *inhalable dust **respirable dust	t Britain) Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust		
7440-50-8 copper powder			
WEL (Great Britain) Short-term value: 2** mg/m ³			
Long-term value: 0.2* 1** mg	/m³		
*fume **dusts and mists (as 0	Cu)		
7440-44-0 carbon			
WEL (Great Britain) Long-term value: 10* 4** mg/m ³			
*inhalable dust **respirable			
· DNELs			
1314-13-2 zinc oxide			
Oral DNEL (consumer, long-term, systemic)	0.83 mg/kg bw/day (human)		
Dermal DNEL (worker, long-term, systemic)	DNEL (worker, long-term, systemic) 83 mg/kg bw/day (human)		
DNEL (consumer, long-term, systemic)	83 mg/kg bw/day (human)		
Inhalative DNEL (worker, long-term, systemic)	5 mg/m³ (human)		
	(Contd. on page 5)		



Page 5/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

				(Contd. from page 4)
			2.5 mg/m ³ (human)	
	7440-50-8 copper powder			
Dermal	DNEL (worker, short-term, systemic)		273 mg/kg bw/day (human)	
	DNEL (worker, long-term, systemic)		137 mg/kg bw/day (human)	
	DNEL (consumer, sh	• •		
	DNEL (consumer, lor	• • •	137 mg/kg bw/day (human)	
Inhalative	DNEL (worker, short-	• •	20 mg/m ³ (human)	
	DNEL (consumer, sh	• •		
	DNEL (worker, short-		1 mg/m ³ (human)	
	DNEL (worker, long-1		1 mg/m ³ (human)	
	DNEL (consumer, sh	· · · ·	1 mg/m ³ (human)	
	DNEL (consumer, lor	ng-term, local)	1 mg/m ³ (human)	
· PNECs				
	zinc oxide			
•	ua (freshwater)	0.00206 mg/L (.)		
•	ua (marine water)	0.00061 mg/L (.)		
PNEC ST		0.0052 mg/L (.)		
PNEC soil		35.6 mg/kg soil dw (.) 117.8 mg/kg sedim. dw (.)		
	, , , , , , , , , , , , , , , , , , ,			
	PNEC sediment (marine water) 56.5 mg/kg sedim. dw (.) 7440-50-8 copper powder			
	a (freshwater)	0.00078 mg/L (.)		
•	ia (marine water)	0.00078 mg/L (.)		
PNEC aqu	· /	0.23 mg/L (.)		
PNEC soil		65 mg/kg soil dw (.)	
			,	
	PNEC sediment (freshwater)87 mg/kg sedim. dw (.)PNEC sediment (marine water)676 mg/kg sedim. dw (.)			
	Additional information: The lists that were valid during the compilation were used as basis.			
 8.2 Exposure controls Personal protective equipment 				
	· General protective equipment · General protective and hygienic measures			
	Do not eat or drink while working.			
Avoid close or long term contact with the skin.				
Wash hands during breaks and at the end of the work. Do not carry cleaning cloths impregnated with the product in trouser pockets.				
Take off all contaminated clothing immediately.				
· Breathing	· Breathing equipment:			
Not neces	Not necessary if room is well-ventilated.			

Not necessary if room is well-ventilated. Use breathing protection only when aerosol or mist is formed.

Filter P2.

(Contd. on page 6)



Page 6/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

(Contd. from page 5)

 Protection of hands: Protective gloves are only required in case of intense and/or prolonged skin contact with the product.

To avoid skin problems reduce the wearing of gloves to the required minimum.

Material of gloves
 Nitrile rubber, NBR
 Recommended thickness of the material: 0.33 mm
 Penetration time of glove material

In case of a layer thickness of 0.33 mm the penetration time is longer than 480 minutes.

• Eye protection: Not required.

SECTION 9: Physical and chemical properties

General Information		
Appearance:	5	
Form:	Pasty	
Colour:	Dark grey	
Odour:	Characteristic	
Odour threshold:	Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/freezing point:	Not determined	
Initial boiling point and boiling range		
Drip point:	200 °C (DIN ISO2176)	
Flash point:	210 °C	
Inflammability (solid, gaseous)	Not determined.	
Ignition temperature:	> 260 °C	
Decomposition temperature:	Not determined.	
Self-inflammability:	Product is not selfigniting.	
Explosive properties:	Product is not explosive.	
Vapour pressure:	Not applicable.	
Density at 20 °C	1.21 g/cm ³	
Vapour density	Not applicable.	
Evaporation rate	Not applicable.	
Solubility in / Miscibility with		
Water:	Insoluble	
Partition coefficient: n-octanol/water:	Not determined.	
Viscosity:		
dynamic:	Not applicable.	



Page 7/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

	(Contd. from page 6)
kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
 9.2 Other information 	No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:
--

1314-13-2 zinc oxide		
Oral	LD50	> 5,000 mg/kg (rat) (OECD 401)
Inhalative	LC50	> 5,700 mg/l/4h (rat) (OECD 403)
7440-50-8 copper powder		
Oral	LD50	> 2,500 mg/kg (rat) (OECD 423)
Dermal	LD50	> 2,000 mg/kg (rat) (OECD 402)
Inhalative LC50 > 5.11 mg/l/4h (rat) (OECD 436)		
Primary irritant effect:		

· Skin corrosion/irritation Long-term skin contact may cause skin irritation and/or dermatitis.

· 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.

· Repeated dose toxicity

1314-13-2 zinc oxide

Oral NOAEL (90d) > 81 mg/kg bw/day (ferret)

7440-50-8 copper powder

Oral NOAEL (90d) 1,000 mg/kg bw/day (mouse) (EU B.26)

- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.

(Contd. on page 8) - GB



Page 8/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

(Contd. from page 7)

- 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.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:			
1314-13-2 zinc oxide			
EC50 (static)	2.6 mg/l/48h (Daphnia magna) (OECD 202)		
LC50 (static)	1.793 mg/l/96h (Brachydario rerio)		
EC50 (static)	EC50 (static) 0.136 mg/l/72h (Pseudokirchneriella subcapitata)		
7440-50-8 coppe	er powder		
EC50 (static)	0.792 mg/l/48h (Daphnia magna) (OECD 202)		
LC50 (dynamic) 0.2 mg/l/96h (Oncorhynchus mykiss)			
NOEC (static)	NOEC (static) 0.00057 mg/l/72h (Phaeodactylum tricornutum) (ISO 10253)		
 Other information: There are no data available about the preparation. 12.3 Bioaccumulative potential No further relevant information available. 12.4 Mobility in soil No further relevant information available. Ecotoxical effects: Remark: Toxic for fish Toxic for algae Additional ecological information: General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water bodies or sewage system. Also poisonous for fish and plankton in water bodies. 			

- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

(Contd. on page 9)



Page 9/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

(Contd. from page 8)

· Europear	· European waste catalogue			
12 00 00	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS			
12 01 00	12 01 00 wastes from shaping and physical and mechanical surface treatment of metals and plastics			
12 01 12*	spent waxes and fats			

· Uncleaned packagings:

· Recommendation:

Dispose of packaging according to regulations on the disposal of packagings. Non contaminated packagings can be used for recycling. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN3077
 14.2 UN proper shipping name ADR 	3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
· IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide), MARINE POLLUTANT
	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc oxide)
 14.3 Transport hazard class(es) 	
· ADR	
· Class	9 (M7) Miscellaneous dangerous substances and articles.
· IMDG, IATA	
Class	9 Miscellaneous dangerous substances and articles.
· Label	9
	(Contd. on page 10)



Page 10/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

	(Contd. from page 9)
 14.4 Packing group ADR, IMDG, IATA 	III
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: zinc oxide
• Marine pollutant:	Yes Symbol (fish and tree)
 Special marking (ADR): Special marking (IATA): 	Symbol (fish and tree) Symbol (fish and tree)
 14.6 Special precautions for user 	Warning: Miscellaneous dangerous substances and articles.
· Kemler Number:	90
· EMS Number:	F-A,S-F
Stowage Category Stowage Code	A SW23 When transported in BK3 bulk container,
Stowage Code	see 7.6.2.12 and 7.7.3.9.
 14.7 Transport in bulk according to Anne of Marpol and the IBC Code 	ex II Not applicable.
Transport/Additional information:	
· ADR	
 Limited quantities (LQ) 	5 kg
 Excepted quantities (EQ) 	Code: E1
	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000
Transport category	g 3
Tunnel restriction code	Ē
· UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC OXIDE), 9, III

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category E2 Hazardous to the Aquatic Environment
- \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations
- · Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

(Contd. on page 11)



Page 11/11

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 06.08.2018

Version number 2

Revision: 26.03.2015

Trade name: TRW Never Squeeze Grease

(Contd. from page 10)

GB

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is contained.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H228 Flammable solid.
- H251 Self-heating: may catch fire.
- H261 In contact with water releases flammable gases.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· Department issuing data specification sheet:

This Material Safety Data Sheet has been drawn up in cooperation with: DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany, phone: (+49) 511 42079 - 0, reach@dekra.com. © DEKRA Assurance Services GmbH. Changing this documents is subject to explicit acceptance

by DEKRA Assurance Services GmbH.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Flam. Sol. 1: Flammable solids - Category 1 Self-heat. 1: Self-heating substances and mixtures - Category 1 Water-react. 2: Substances and mixtures which in contact with water emit flammable gases - Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard - Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3 * Data compared to the previous version altered.