

Safety data sheet in compliance with
regulation (EC) no. 1907/2006 (REACH)
Date: 07/2012 Name: **Collet Grease**



1. Commercial product name and company identification:

Trade name: Collet Grease
Intended use: Application as lubricant
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2. Hazards identification:

This product is not classified as hazardous according to the EU directives.
Harmful effects are expected only in case of misuse especially in case of thermal decomposition.



3. Composition / Information on ingredients:

Combination of synthetic esters, lithium-12-oxystearate and additives.

Hazardous ingredients:

<i>Ingredient</i>	<i>CAS-No.</i>	<i>Cont. %</i>	<i>Warning symbol</i>	<i>R-Phrases</i>
Benzenamine, N-phenyl-, styrenated (SDPA) GHS Aqu. chron. H412 Hazard Category 3	68442-68-2	≤ 5	-	33, 52/53
Thiodiethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] GHS Aqu. chron. H413 Hazard Category 4	41484-35-9	≤ 2	-	53
Triphenylthiophosphate GHS Aqu. chron. H413 Hazard Category 4	597-82-0	≤ 2	-	53
Isomeric mixture of N,N-bis(2-ethylhexyl)-4-methyl-1H-benzotriazole-1-methylamine and N,N-bis (2-ethylhexyl)-5-methyl-1H-benzotriazole-1-methylamine GHS Skin Irr. H315 Hazard Category 2 Skin Sens. H317 Hazard Category 1 Aqu. chron. H411 Hazard Category 2	80584-90-3	≤ 0,1	Xi, N	38, 43, 51/53

4. First aid measures:

Skin contact: Wash with water and soap. Remove contaminated clothing.
If grease has penetrated skin by force (in case of misuse of a grease press),
seek a physician* immediately.

Eye contact: Flush with plenty of water for at least 15 minutes. Seek a physician* if the
eye irritation remains.

Ingestion: Seek a physician* if ingested in a large quantity or in case of
nausea.

Inhalation: After inhaling of decomposition vapours: Move the affected person to fresh
air.
Seek a physician* if necessary

Show the physician this safety data sheet.

5. Fire fighting measures:

Suitable extinguishing media: dry chemicals, powder, foams, carbon dioxide
Do not use water.

In the case of fire, the vapour can involve toxic compounds (carbon monoxide).
Use a respirator to protect from vapours.

6. Accidental release measures:

Pick up free grease for recycle or disposal. Absorb small amounts on inert material.
Collect the released product and the used absorbent materials in suitable containers for disposal

(see sect. 13) Danger of slipping !

Do not smoke while handling with released grease. Avoid contact with fire and sparks.

7. Handling and store measures:

Store in cool and dry areas in tightly sealed containers. Protect from water and wetting.
Product shelf life at least 5 years, if stored under proper conditions and kept in unopened containers.

If the grease is exposed to high temperatures, good ventilation in the working areas is necessary.

Avoid the contact of sparks and flames.

Do not eat, drink and smoke in working areas.

8. Exposure control / Personal protection:

Hand protection: Not necessary under normal condition of use. When often handling the product wear gloves (i.e. made from Latex, permanent using time >30 min.; made from butyl rubber, permanent using time >8 hours and other materials).

Respiratory protection: Not necessary under normal condition of use. Avoid breathing the vapours above the decomposition temperature (oil mist).

Eye protection: Not necessary under normal condition of use. Wear safety glasses, if necessary.

Keep away from food, drink and smoking materials. Wash hands thoroughly before eating and smoking and after handling. Private clothes and working clothes should be kept separately. Change contaminated or soaked clothes. The usual precautions for handling chemicals should be observed.

9. Physical and chemical properties:

Physical state:	pasty		
Colour:	beige		
Odour:	weak		
Dropping point:	> 180°C (> 356°F)		DIN ISO 2176
Boiling point:	> 240°C (> 464°F)		
Density:	0,98 g/cm ³	at 20°C (68°F)	DIN 51 757
Vapour pressure:	< 1 mbar	at 20°C (68°F)	
Viscosity (base oil):	55 mm ² /s	at 40°C (100°F)	DIN EN ISO 3104
	9 mm ² /s	at 100°C (212°F)	
Solubility in water:	insoluble		
pH-value:	not determined		
Flash point:	> 270°C (> 518°F)		DIN EN ISO 2592
Ignition temperature:	> 350°C (> 662°F)		
Explosion limits:	not determined		

10. Stability and reactivity:

Thermal decomposition: > 250°C (> 482°F)
Hazardous decomposition products: No decomposition under normal storage and handling conditions. In the case of misuse at temperatures above the decomposition temperature or in case of fire harmful vapours may arise from the product (carbon monoxide, crack products).
Materials to avoid contact: strong oxidising agents (liquid or compressed oxygen), very strong acids, very strong alkalis.

11. Toxicological information:

Experimental toxicological data.

oral*: LD₅₀ > 3000 mg/kg (rat)
epidermal*: LD₅₀ > 3000 mg/kg (rabbit)
the product may cause weak eye irritation

Thermoplex 2 TML when properly handled is not dangerous for human health.

Thermoplex 2 TML has no known effects of chronic toxicity or carcino-genesis (Based on data from components).

limit value for oil mist: 5 mg/m³.

*in analogy to comparable products

12. Ecotoxicological information:

Use the product according to the good working practices avoiding polluting the environment. Water Pollution Class WGK 2: Water endangering (Classification according to German VwVwS from May, 1999): Avoid the contamination of soil and water.

13. Disposal considerations:

Send the waste product to authorised plants according to local laws and regulations or destroy it by incineration. Do not dispose of together with household waste.

LAGA- Waste code number (Germany)*:

542 02 for waste lubricants.

542 09 for solid materials contaminated with grease or oil.

EWC- Waste code number (European Community):

12 01 12 for spent waxes and fats.

15 02 02 for absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by grease or oil.

17 02 04 for glass, plastic and wood containing or contaminated by grease or oil (for example: residuals of grease in plastic tubes).

The indicated EWC-Waste code numbers should be considered only as recommendation (orientation). Because the system of the European Waste Catalogue (EWC) does not differ between substantial criteria, but uses branch-oriented code numbers. Depending on the kind of company, in which the waste was generated, also other EWC-Waste code numbers may be the case. The correct EWC-Waste code numbers should be harmonised between the consumer, public authorities and the waste management company according to the European Waste Catalogue.

*All LAGA-Waste code numbers are invalid since 1999.

14. Transport information:

The product is not dangerous for transportation

Road transportation:	(ADR)	not classified
Rail transportation:	(RID)	not classified
Sea transportation:	IMDG / IMO	not classified
Air transportation:	ICAO / IATA	not classified
U.N.-number:		not assigned
Packing group:		not assigned

15. Regulatory information:

Regulation and classification according to EEC directives is necessary as follows:

No labelling with hazard symbols.

R-phrases: 52/53 Harmful to aquatic organisms; may cause long-term adverse effects the aquatic environment.

S-phrases: 61 Avoid release to the environment. Refer to special instructions / safety data sheet.

Corresponding GHS-formulations:

H412 Harmful to aquatic life with long lasting effects.

P273 Avoid release to the environment.

P501 Dispose of contents/container according to local law and regulations.

The product does not contain any volatile organic compounds listed in the VOC Substance Catalogue of Switzerland (appendix 1 of the edition of November 12th, 1997) or listed in VOC (TRGS 220; 31. BImSch).

Aquatic toxicity: 2 (= German water hazard classification)

US hazard ratings: Health 0

Flammability 1

Reactivity 0

0=minimal, 1=slight, 2=moderate, 3=serious, 4=extreme

16. Further Information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any process, unless specified in the text. The company is not responsible for any loss or damage by the use of the product in applications for which it was not intended or for conditions of use contrary to the recommendations in this Safety Data Sheet. All data refer to the product in the delivering condition.

Former versions of this safety data sheet are no longer valid.