Safety Data Sheet

according to Regulation (EC) No 1907/2006

and Regulation (EC) 2020/878

617(E) HP Grease #2

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

1.1. Product identifier

617(E) HP Grease #2

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

Use of the substance/mixture

lubricating grease

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	Chesterton International GmbH		
Street:	Am Lenzenfleck 23		
Place:	D-85737 Ismaning GERMANY		
Telephone:	+49 89 99 65 46 - 0	Telefax:	+49 89 99 65 46 - 50
E-mail:	eu-sds@chesterton.com		
Contact person:	eu-sds@chesterton.com	Telephone:	+49 89 99 65 46 - 0
E-mail:	eu-sds@chesterton.com		
Internet:	www.chesterton.com		
Responsible Department:	eu-sds@chesterton.com		

1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Regulation (EC) No 1272/2008

Special labelling

EUH210 Safety data sheet available on request.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
26264-06-2	Calcium dodecylbenzenesulphonate			1 - < 3.5 %
	247-557-8		01-2119560592-37	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
26264-06-2	247-557-8	Calcium dodecylbenzenesulphonate	1 - < 3.5 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1300 mg/kg Eye Dam. 1; H318: >= 10,5 - 100 Eye Irrit. 2; H319: >= 3,5 - < 10,5		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Provide fresh air.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Take off immediately all contaminated clothing and wash it before reuse.

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

After contact with eyes

Protect uninjured eye. After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let 1 glass of water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

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

No information available.

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

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First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- alcohol resistant foam
- Extinguishing powder
- Carbon dioxide (CO2)
- Sand

Unsuitable extinguishing media

- Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:
- Carbon dioxide (CO2)
- Carbon monoxide
- Nitrogen oxides (NOx)

5.3. Advice for firefighters

Co-ordinate fire-fighting measures to the fire surroundings.
In case of fire: Wear self-contained breathing apparatus.

Special protective equipment for firefighters: Protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Safe handling: see section 7
Personal protection equipment: see section 8
Avoid contact with skin, eyes and clothes.

For non-emergency personnel

No information available.

For emergency responders

No information available.

6.2. Environmental precautions

Cover drains. Do not empty into drains.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Dispose of waste according to applicable legislation.

For cleaning up

No information available.

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Other information

No information available.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8).

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes. Use protective skin cream before handling the product. Wash hands before breaks and after work.
When using do not eat, drink, smoke, sniff.
Only wear fitting, comfortable and clean protective clothing. Used working clothes should not be worn outside the work area. Remove contaminated, saturated clothing immediately. Street clothing should be stored separately from work clothing.

Further information on handling

Special danger of slipping by leaking/spilling product.
Observe instructions for use.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.
Store at temperatures not exceeding 45 °C.

Protect from direct sunlight.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep away from:
- Frost
- Heat
- Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
26264-06-2	Calcium dodecylbenzenesulphonate			
Worker DNEL, long-term		inhalation	systemic	52 mg/m³
Worker DNEL, acute		inhalation	systemic	52 mg/m³
Worker DNEL, long-term		inhalation	local	52 mg/m³
Worker DNEL, acute		inhalation	local	52 mg/m³
Worker DNEL, long-term		dermal	systemic	0,025 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	80 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,57 mg/cm²
Worker DNEL, acute		dermal	local	1,57 mg/cm²
Consumer DNEL, long-term		inhalation	systemic	26 mg/m³
Consumer DNEL, acute		inhalation	systemic	26 mg/m³
Consumer DNEL, long-term		inhalation	local	26 mg/m³
Consumer DNEL, acute		inhalation	local	26 mg/m³
Consumer DNEL, long-term		dermal	systemic	0,00298 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	40 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,787 mg/cm²
Consumer DNEL, acute		dermal	local	0,787 mg/cm²
Consumer DNEL, long-term		oral	systemic	0,167 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	13 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment		Value
26264-06-2	Calcium dodecylbenzenesulphonate	
Freshwater		0,025 mg/l
Freshwater (intermittent releases)		0,025 mg/l
Marine water		0,00025 mg/l
Freshwater sediment		2,75 mg/kg
Marine sediment		0,275 mg/kg
Secondary poisoning		20 mg/kg
Microorganisms in sewage treatment plants (STP)		50 mg/l
Soil		0,2 mg/kg

8.2. Exposure controls

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Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection:
- Eye glasses with side protection
- goggles

Hand protection

Tested protective gloves must be worn: EN ISO 374
NBR (Nitrile rubber),
Wearing time with permanent contact: Thickness of the glove material: >= 0,4 mm, Breakthrough time: >480 min
Wearing time with occasional contact (splashes): Thickness of the glove material: >= 0,1 mm, Breakthrough time: > 30 min
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Filtering device (full mask or mouthpiece) with filter: A-P2

Thermal hazards

No data available

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste	
Colour:	light brown	
Odour:	characteristic	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		No data available
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		> 150 °C
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		not applicable

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Viscosity / kinematic: (at 40 °C)	> 20,5 mm²/s
Water solubility:	practically insoluble
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	No data available
Vapour pressure:	No data available
Density (at 25 °C):	< 1 g/cm³
Relative vapour density:	No data available

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

not explosive according to EU A.14

Self-ignition temperature

Solid:	No data available
Gas:	No data available

Oxidizing properties

Not oxidising.

Other safety characteristics

Evaporation rate:	No data available
Sublimation point:	No data available
Softening point:	No data available
Pour point:	not applicable

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is chemically stable under recommended conditions of storage, use and temperature.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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Acute toxicity

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
26264-06-2	Calcium dodecylbenzenesulphonate				
	oral	LD50 1300 mg/kg	Rat	Product Safety labs (1998)	OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rat	REACh Registration Dossier	OECD Guideline 402

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.
non-irritant.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects 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.
Reproductive toxicity: Based on available data, the classification criteria are not met.
No information available.

STOT-single exposure

Based on available data, the classification criteria are not met.
No information available.

STOT-repeated exposure

Based on available data, the classification criteria are not met.
No information available.

Aspiration hazard

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

Information on likely routes of exposure

No information available.

Specific effects in experiment on an animal

No information available.

Additional information on tests

No information available.

Practical experience

No information available.

11.2. Information on other hazards

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Endocrine disrupting properties

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

Other information

No information available.

Further information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] | [d]	Species	Source	Method
26264-06-2	Calcium dodecylbenzenesulphonate					
	Acute fish toxicity	LC50 1,74 mg/l	96 h	Fishes species	http://epa.gov/oppt/exposure/pubs/episui	other: QSAR
	Acute algae toxicity	ErC50 2,736 mg/l	96 h	Green Algae	http://epa.gov/oppt/exposure/pubs/episui	other: QSAR model
	Acute crustacea toxicity	EC50 1,276 mg/l	48 h	Daphnid species	http://epa.gov/oppt/exposure/pubs/episui	other: QSAR model
	Fish toxicity	NOEC 0,23 mg/l	30 d	Fish species	http://epa.gov/oppt/exposure/pubs/episui	other: QSAR
	Algae toxicity	NOEC 1,266 mg/l	30 d	Green Algae	http://epa.gov/oppt/exposure/pubs/episui	other: QSAR model
	Crustacea toxicity	NOEC 0,253 mg/l	30 d	Daphnid species	http://epa.gov/oppt/exposure/pubs/episui	other: QSAR
	Acute bacteria toxicity	EC50 >= 500 - <= 723 mg/l ( )	3 h	Activated sludge	REACh Registration Dossier	OECD Guideline 209

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
26264-06-2	Calcium dodecylbenzenesulphonate	4,77

BCF

CAS No	Chemical name	BCF	Species	Source
26264-06-2	Calcium dodecylbenzenesulphonate	70,79	QSAR model	http://epa.gov/oppt/

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12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

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ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Information according to Directive 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D):	1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Calcium dodecylbenzenesulphonate

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,9,10,11,12,14,15.

No information available.

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Abbreviations and acronyms

Skin Irrit. 2: Skin irritation, hazard category 2
Eye Dam. 1: Serious eye damage, hazard category 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard category: Chronic 3
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:Règlement international conernat le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

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