

Name:	High temperature grease 525	Date:	03.11.2014
Manufacturer:	Innotech Vertriebs GmbH, Junkersstraße 16,93055 Regensburg		

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

1.1. Product identifier

High temperature grease 525

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

1.3. Details of the supplier of the safety data sheet

Company name: Innotech Vertriebs GmbH
 Street: Junkersstraße 16
 Place: D-93055 Regensburg
 Telephone: +49 (0) 941 / 700878 Telefax:+49 (0) 941 / 704660
 e-mail: info@innotech-r.de
 Contact person: Mr. Maßen
 Internet: www.innotech-r.de
 Responsible Department: sales department

1.4. Emergency telephone number:

Tel: + 49 (0) 941 / 700878 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is not classified as dangerous according to Directive 1999/45/EC.

2.2. Label elements

Special Labelling of certain mixtures

Contains bisphenol A; 4,4'-isopropylidenediphenol. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
	Alkylphenols	1 – 5 %
	Xi – Irritant R36/37/38-52	
	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 3; H319 H335 H315 H412	
270-128-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	1 – 5 %
68411-46-1	R52-53	
	Aquatic Chronic 3; H412	
201-245-8	bisphenol A; 4,4'-isopropylidenediphenol	< 1 %
80-05-7	Repr. Cat.3, Xi – Irritant R62-37-41-43-52	
604-030-00-0	Repr. 2, STOT SE 3, Eye Dam. 1, Skin Sens. 1; H361f*** H335 H318 H317	
224-235-5	zinc bis [O,O-bis(2-ethylhexyl)] bis (dithiophosphate)	< 1 %
4259-15-8	Xi – Irritant, N – Dangerous for environment R41-51-53	
	Eye Dam. 1, Aquatic Chronic 2; H318 H411	
01-2119493635-27		

Full text of R and H phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Never give anything by mouth to an unconscious person or a person with cramps. Guide people to safety.

After inhalation

Provide fresh air.

After contact with skin

Wash with generous amount of water. Change contaminated clothing.

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After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Rinse mouth immediately and drink large quantities of water.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing materials should be selected according to the surrounding area.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

The product itself is not combustible.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection when in the presence of vapour, dust, and aerosols. Wear personal protection equipment. Remove all sources of ignition.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

Refer to chapter 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide for sufficient ventilation and punctiform suction at critical points. Dust must be vacuumed up immediately at the place it occurs. Do not eat, drink, smoke or sneeze at the workplace.

Advice on protection against fire and explosion

No special measures are necessary.

Further information on handling

Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
80-05-7	Bisphenol A, inhalable dust	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Additional advice on limit values

- a no restriction
- b End of exposure or shift
- c in long-term exposure: after several shifts
- d prior to next shift

TWA (EC): time-weighted average

U: Urea

8.2. Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

Respiratory protection

No special measures are necessary. In case of inadequate ventilation wear respiratory protection.

Hand protection

Suitable material: NBR (Nitrile rubber). penetration time (maximum wearing period): 480min
 Thickness of glove material: 0,45 mm

Eye protection

Suitable eye protection: Tightly sealed safety glasses.

Skin protection

No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: pasty
 Colour: green
 Odour: characteristic

		Test method
pH-Value (at 20 °C):	not applicable	DIN 19268
Changes in the physical state		
Melting point:	No information available.	
Boiling point:	230 °C	
Sublimation point:	No information available.	
Softening point:	No information available.	
:	No information available.	
Flash point:	> 150 °C	ISO 3679
Lower explosion limits:	No information available.	
Upper explosion limits:	No information available.	
Ignition temperature:	No information available.	
Vapour pressure:	No information available.	
Density (at 20 °C):	1,02 g/cm ³	DIN 51757
Water solubility:	insoluble	
Partition coefficient:	No information available.	
Viscosity / dynamic:	No information available.	
Viscosity / kinematic:	No information available.	DIN 53019-1

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(at 40 °C)		
Flow time:	No information available.	8 DIN EN ISO 2431
(at 20 °C)		
Vapour density:	No information available.	
Evaporation rate:	No information available.	
Solvent separation test:	No information available.	
Solvent content:	No information available.	

9.2. Other information

Solid content:	No information available.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : Oxidizing agents.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No special precautionary measures are necessary. Do not mix with other chemicals.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No information available.

Further information

Do not mix with other chemicals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

No information available.

CAS No	Chemical Name			
	Exposure routes	Method Dose	Species	Source
	Alkylphenols			
	oral	LD50 >2000 mg/kg	Rat.	
80-05-7	bisphenol A; 4,4'-isopropylidenediphenol			
	oral	LD50 3250 mg/kg	Rat.	
	dermal	LD50 3000 mg/kg	Rabbit	
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)			
	oral	LD50 3100 mg/kg	Rat.	
	dermal	LD50 5001 mg/kg	Rabbit.	

Specific effects in experiment on an animal

No information available.

Irritation and corrosivity

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No information available.

Sensitising effects

No information available.

Severe effects after repeated or prolonged exposure

No information available.

Carcinogenic/mutagenic/toxic effects for reproduction

No indications of human carcinogenicity exist.

No indications of human germ cell mutagenicity exist.

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical Name					
	Aquatic toxicity	Method	Dose	h	Species	Source
	Alkylphenols					
	Acute fish toxicity	LC50	10mg/l	96	Oncorhynchus mykiss	
80-05-7	bisphenol A; 4,4'-isopropylidenediphenol					
	Acute fish toxicity	LC50	4,6mg/l	96	Pimephales promelas	
	Acute algae toxicity	ErC50	2,73mg/l	96	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	3,9mg/l	48	Daphnia magna	
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis (dithiophosphate)					
	Acute fish toxicity	LC50	1,1mg/l	96	Oncorhynchus mykiss	
	Acute algae toxicity	ErC50	240mg/l	72	Pseudomonas putida	
	Acute crustacea toxicity	EC50	1,1 mg/l	48	Daphnia magna	

12.2. Persistence and degradability

There are no data available on the mixture itself. AOX (mg/l): 0

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

CAS No	Chemical Name	Log Pow
80-05-7	bisphenol A; 4,4'-isopropylidenediphenol	3,32

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB

12.6. Other adverse effects

No information available.

Further information

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

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Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

Waste disposal number of waste from residues/unused products

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats
Classified as hazardous waste.

Waste disposal number of used product

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

Contaminated packaging

Water (with cleaning agent). Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

Air transport (ICAO)

Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

Dangerous for the environment: no

SECTION 15: Regulatory information

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

EU regulatory information

1999/13/EC (VOC): VOC-CH:- g/l (% w/w)
VOC 1999/13/EG:- % w/w

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Data concerning the Directive 1999/13/EC on the limitation of emissions of volatile organic compounds
(VOC-RL)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Abbreviations and acronyms

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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 concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL/DMEL: Derived No Effect Level / Derived Minimal Effect Level
WEL (UK): Workplace Exposure Limits
TWA (EC): Time-Weighted Average
ATE: Acute Toxicity Estimate
STEL (EC) Short Term Exposure Limit
LC50: Lethal Concentration
EC50: half maximal Effective Concentration
ErC50: means EC50 in terms of reduction of growth rate

Full text of R phrases referred to under Sections 2 and 3

R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R51	Toxic to aquatic organisms.
R52	Harmful to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.

Full text of H statements referred to under Sections 2 and 3

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

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.

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