



SAFETY DATA SHEET

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

Product identifier

Trade name or designation of the mixture Synthetic High Temperature Grease

Product code 28660

Registration number -

Synonyms 565 HT Grease

Date of first issue 22-September-2011

Version number 1,2

Revision date 09-December-2011

Supersedes date 04-November-2011

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

Identified uses Not available.

Uses advised against None known.

Details of the supplier of the safety data sheet

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Section 2: Hazards identification

Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification Xn;R68/20/21/22

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Specific target organ toxicity - single exposure Category 2 May cause damage to organs.

Hazard summary

Physical hazards Not classified for physical hazards.

Health hazards Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Occupational exposure to the substance or mixture may cause adverse health effects.

Environmental hazards Not classified for hazards to the environment.

Specific hazards Not available.

Main symptoms Prolonged exposure may cause chronic effects.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended**Contains:** Tris(methylphenyl) Phosphate**Signal word** Warning**Hazard statements** May cause damage to organs.**Precautionary statements****Prevention** Do not breathe mist or vapour. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.**Response** IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.**Storage** Store locked up.**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.**Supplemental label information** Not applicable.**Other hazards** Not assigned.**Section 3: Composition/information on ingredients****Mixture****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
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Carbamodithioic Acid, Dibutyl-, Methylene Ester	1 - < 3	10254-57-6 233-593-1	-	-	
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Classification: **DSD:** R53
CLP: Aquatic Chronic 4;H413

Tris(methylphenyl) Phosphate	< 1	1330-78-5 215-548-8	-	-	#
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Classification: **DSD:** Xn;R21-22, N;R51-53
CLP: Acute Tox. 4;H302, Acute Tox. 4;H312, STOT SE 1;H370, Aquatic Acute 1;H400, Aquatic Chronic 2;H411

Other components below reportable levels	90 - 100				
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CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Composition comments The full text for all R- and H-phrases is displayed in section 16.**Section 4: First aid measures****General information** Not available.**Description of first aid measures****Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.**Skin contact** Rinse skin with water/shower. Get medical attention if irritation develops and persists.**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.**Ingestion** Rinse mouth. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control centre immediately. Never give liquid to an unconscious person.**Most important symptoms and effects, both acute and delayed** Prolonged exposure may cause chronic effects.**Indication of any immediate medical attention and special treatment needed** Not available.

Section 5: Firefighting measures

General fire hazards	Not available.
Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Water. Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture	Not available.
Advice for firefighters	
Special protective equipment for firefighters	Wear suitable protective equipment.
Special firefighting procedures	Not available.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Reference to other sections For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

Precautions for safe handling Use care in handling/storage.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.

Specific end use(s) Not available.

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Germany

No exposure limits noted for the ingredient(s).

Germany - TRGS 900

No exposure limits noted for the ingredient(s).

Luxembourg

No exposure limits noted for the ingredient(s).

Malta

No exposure limits noted for the ingredient(s).

Slovakia

No exposure limits noted for the ingredient(s).

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value
Tris(methylphenyl) Phosphate (1330-78-5)	TWA	0,1 mg/m ³

Spain

No exposure limits noted for the ingredient(s).

EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No exposure limits noted for the ingredient(s).

Biological limit values

EU, 91/322/EEC, 2000/39/EC, 2006/15/EC

No biological exposure limits noted for the ingredient(s).

Finland

No biological exposure limits noted for the ingredient(s).

France

No biological exposure limits noted for the ingredient(s).

Luxembourg

No biological exposure limits noted for the ingredient(s).

Spain

No biological exposure limits noted for the ingredient(s).

United Kingdom

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Not normally needed.

Skin protection

- **Hand protection** Not normally needed.

- **Other** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory protection No personal respiratory protective equipment normally required.

Thermal hazards Not available.

Hygiene measures Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls Not available.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Gel.

Physical state Liquid.

Form Grease

Colour Light brown.

Odour Amine-like.

Odour threshold Not available.

pH Not applicable.

Melting point/freezing point 80 °C (176 °F) estimated

Boiling point, initial boiling point, and boiling range Not available.

Flash point 160 °C (320 °F) Pensky-Martens Closed Cup

Auto-ignition temperature	Not applicable.
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidising properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapour pressure	0 hPa estimated
Density	1004 kg/m ³
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Relative density	Not available.
Solubility (water)	Negligible
Solubility (other)	Oil

Information on basic physical and chemical properties

Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Bulk density	Not applicable.
Pour point	Not applicable.
Viscosity	117 cSt ASTM D445 (Base Oil)
Viscosity temperature	40 °C (104 °F)
VOC (Weight %)	Not available.
Percent volatile	Not available.

Other data

Drop point	> 260 °C (> 500 °F) ASTM D2265
Flammability class	Combustible III B estimated
Specific gravity	1

Other information No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	None known. Strong oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Incompatible materials	None known.
Hazardous decomposition products	Irritants. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

Section 11: Toxicological information

General information Not available.

Information on likely routes of exposure

Ingestion	Not available.
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.

Symptoms Not available.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Not available.

Serious eye damage/eye irritation	Not available.
Respiratory sensitisation	Not available.
Skin sensitisation	Not available.
Germ cell mutagenicity	Not available.
Carcinogenicity	Not available.
Reproductive toxicity	Not available.
Specific target organ toxicity - single exposure	May cause damage to organs.
Specific target organ toxicity - repeated exposure	Not available.
Aspiration hazard	Not available.
Mixture versus substance information	Not available.
Other information	Not available.

Section 12: Ecological information

Toxicity

Product	Test results
Synthetic High Temperature Grease (Mixture)	EC50 Daphnia: 260 mg/l 48 hours estimated LC50 Fish: 51266,77 mg/l 96 hours estimated
Components	Test results
Tris(methylphenyl) Phosphate (1330-78-5)	EC50 Water flea (Daphnia magna): 2,3 - 4,5 mg/l 48 hours LC50 Bluegill (Lepomis macrochirus): 0,06 - 0,11 mg/l 96 hours

* Estimates for product may be based on additional component data not shown.

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not available.
Mobility	Not available.
Environmental fate - Partition coefficient	Not available.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not available.
Other adverse effects	Not available.

Section 13: Disposal considerations

Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. 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).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

Section 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Other regulations The product is classified and labelled in accordance with EC directives or respective national laws
This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

National regulations Not available.

Chemical safety assessment No Chemical Safety Assessment has been carried out.

Section 16: Other information

List of abbreviations Not available.

References Not available.

Information on evaluation method leading to the classification of mixture Not available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R6 Explosive with or without contact with air.
R12 Extremely flammable.
R21 Harmful in contact with skin.
R22 Harmful if swallowed.
R23 Toxic by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R45 May cause cancer.
R46 May cause heritable genetic damage.
R51 Toxic to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.
R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
H220 - Extremely flammable gas.
H301 - Toxic if swallowed.
H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H331 - Toxic if inhaled.
H335 - May cause respiratory irritation.
H340 - May cause genetic defects.
H350 - May cause cancer.
H370 - Causes damage to organs.
H400 - Very toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.
H412 - Harmful to aquatic life with long lasting effects.
H413 - May cause long lasting harmful effects to aquatic life.

Revision information This document has undergone significant changes and should be reviewed in its entirety.

Training information Not available.

Disclaimer Bel-Ray Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

Issue date 09-December-2011

Revision date 09-December-2011

Print date 09-December-2011