



High Speed Bearing Grease

Section 1 - Product Identification

Product Name: High Speed Bearing Grease
 Product Part Number: HSBG
 Product Type: Lubricant
 Chemical family: Mixture: Polyurea thickened mineral oil

Recommended use of the chemical and restrictions on use:

Application — High Speed Bearing Lubricant - Use Only as Entended.

Details of the supplier of the safety data sheet:

Manufacturer:

DUALCO, Inc., 8404 Braniff, Houston, Texas 77061
 Telephone: 713-644-1164 Website: dualco-inc.com

Emergency Telephone Number:

Emergency Telephone — 713-644-1164

Section 2 - Hazardous Identification

Classification of the Chemical

Appearance / Odor: Blue / Mild grease like

Hazardous Ingredients:

None known under normal conditions.

Special Hazard Designations

OSHA (29 CFR 1910.1200) Evaluation: **Skin Sensitization - Category 1**
 DOT (49 CFR 172) Not regulated
 RCRA (40 CFR 261) Evaluation: Non hazardous
 EPA/TSCA Listed Ingredients: None

NFPA Codes	
Health	1
Flammability	1
Reactivity	0

Label Elements

Hazard Pictogram(s)



Signal Word

Warning

Hazard Statement(s): May cause an allergic skin reaction. For more see **Toxicological Information**, Section 11.

Precautionary Statement(s)

Prevention: — Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

Response: — IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

Disposal: — Dispose of contents/ container to an approved waste disposal.

Other Hazards: None Known

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or con- firmed human carcinogen by **IARC, OSHA** or **NPT**.

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Section 3 - Composition / Information on Ingredients**Mixtures**

Chemical Name	CAS Number	Composition (% w/w)
Urea, N-[4-[[4-[[[(cyclohexyla- mino)carbonyl]amino]phenyl]methyl]phenyl]-N'-octadecyl-	154099-21-5	5 - 10
3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea	58890-25-8	5 - 10
3,3'-dioctadecyl-1,1'-methylenebis(4,1-phenylene)diurea	43136-14-7	5 - 10
Amine neutral alkyl phosphate	Proprietary	1 - 5
N-1-naphthylaniline	90-30-2	0.1 - 1
2,6-di-tert-butyl-p-cresol	128-37-0	0.1 - 1

The exact concentrations of the above listed chemicals are being withheld as a trade secret in accordance with 29 CFR 1910.1200.

Section 4 - First Aid Measures**First Aid Measures****General information:**

If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
First Aider needs to protect themselves.

Eye Contact:

Remove any contact lenses. Flush eyes with water for 15 minutes while holding eyelids open. Get medical attention.

Inhalation:

Move to fresh air. Get medical attention immediately. Artificial respiration and/or oxygen may be necessary.
If breathing has stopped, give artificial respiration and get medical attention immediately.

Ingestion:

If ingested get medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Wash out mouth with water. Never give anything by mouth to an unconscious person.

Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes. Wash thoroughly with soap and water and launder soiled clothing before reuse. Get medical attention if irritation occurs.
High pressure injection under skin requires immediate medical attention.

Most important symptoms and effects, both acute and delayed:

May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing.

Notes to Physician: Treat symptomatically.

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Section 5 - Fire Fighting Measures

Extinguishing Media

- **Appropriate Extinguishing Media:**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- **Inappropriate Extinguishing Media:**
No information available.

Specific Hazards

Combustion Products:

Harmful gases or vapors. Carbon monoxide, carbon dioxide, Nitrogen oxides, products of incomplete hydrocarbon combustion.

Advice for Firefighters

Protective actions during firefighting:

Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Special protective equipment for firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Material can create slippery conditions.
Mark the contaminated area with signs and prevent access to unauthorized personnel.
Only qualified personnel equipped with suitable protective equipment may intervene.
For more details, see Section 8.

Environmental Precautions:

DO NOT allow uncontrolled discharge of product into the environment.

Methods and materials for containment and cleaning up: Attempt to recover if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Contact the proper local authorities.

Waste Disposal Method:

Comply with all governmental regulations.

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Section 7 - Handling and Storage

Precautions for Safe Handling

Usage Precautions:

For personal protection, see Section 8 of this safety data sheet.
Keep away from food, drink and animal feeding stuffs.

In case of insufficient ventilation, wear suitable respiratory equipment. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

Advice on General Occupational Hygiene:

Avoid contact with skin, eyes and clothing. Do not ingest. Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product.

Storage Precautions:

DO NOT store containers in direct sunlight; keep containers away from excessive heat, and in a cool dry place. Keep away from heat and sources of ignition. Store in original container. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

Components with Workplace Control Parameters

Components	CAS Number	Exposure Limits:		
		Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2,6-di-tert-butyl-p-cresol	128-37-0	TWA (Inhalable fraction and vapor)	2 mg/m ³	ACGIH
		TWA	10 mg/m ³	NIOSH REL
		TWA	10 mg/m ³	OSHA PO

Exposure Controls

Appropriate engineering controls:

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Protective Clothing and Equipment:

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter Type: Organic Vapor Filter

Hygiene Measures:

Hand protection Material: Neoprene, Nitrile, Polyvinyl alcohol (PVA) or Viton® gloves.

Remarks: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

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Section 8 - Exposure Controls / Personal Protection (cont.)

Exposure Controls (cont.)

Eye Protection:

Wear face-shield and protective suit for abnormal processing problems.

Skin and Body Protection:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures:

Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

Section 9 - Physical and Chemical Properties

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

General Information:

Physical State: _____ Buttery, Smooth, Semi Solid
 Color: _____ Blue
 Odor: _____ Mild Grease-like.
 Odor Threshold _____ No Data Available

Basic Physical and Chemical Properties:

pH: _____ No Data Available
 Pour Point: _____ -15°C (5°F) Base Fluid Blend
 Boiling Point: _____ No Data Available
 Flash Point (C.O.C.): _____ 263°C (505°F) Method: Cleveland Open Cup, Base Fluid Blend
 Fire Point _____ 271°C (520°F) Base Fluid Blend
 Evaporation Rate: _____ No Data Available
 Flammability (solid, gas); _____ Low Fire Hazard. This material must be heated before ignition will occur.
 Upper/lower flammability or explosive limits: _____ No Data Available
 Vapor pressure: _____ No Data Available
 Relative vapor density: _____ No Data Available
 Relative density: _____ No Data Available
 Density: _____ 0.8590 Kg/l (15°C / 59°F)
 Solubilities: _____ Water: Insoluble
 Partition coefficient: _____ n-octanol/water: No Data Available
 Viscosity: _____ 114 cSt (40°C / 104°F) Base Fluid Blend
 Viscosity, kinematic: _____ 2 cSt (100°C / 212°F) Base Fluid Blend
 Explosive properties: _____ DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

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Section 10 - Stability And Reactivity

Reactivity:

Hazardous polymerization does not occur.

Chemical Stability:

Stable at normal conditions and when used as recommended.
Stable under the prescribed storage conditions.

Conditions to Avoid: No Data Available

Materials to Avoid: None

Hazardous Decomposition Products:

May release COx, NOx, smoke and irritating vapors when heated to decomposition.

Section 11 - Toxicological Information

Likely Routes of Exposure:

- Eyes
- Inhalation
- Ingestion
- Skin Contact

Acute toxicity:

Product

Acute Oral Toxicity _____ No Data Available
Acute inhalation toxicity _____ No Data Available
Acute dermal toxicity _____ No Data Available

Components

N-1-naphthylaniline:
Acute Oral Toxicity _____ LD50 (Rat): ≥1,625 mg/kg,

Skin corrosion/irritation _____ No Data Available
Serious eye damage/eye irritation _____ No Data Available
Respiratory or skin sensitization _____ No Data Available
Germ cell mutagenicity _____ No Data Available
Carcinogenicity _____ No Data Available
Reproductive toxicity _____ No Data Available
STOT - single exposure _____ No Data Available
STOT - repeated exposure _____ No Data Available

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Section 12 - Ecological Information

Eco-toxicity:

Product

Toxicity to fish _____ No Data Available
Toxicity to daphnia and other aquatic invertebrates _____ No Data Available
Toxicity to algae/aquatic plants _____ No Data Available
Toxicity to microorganisms _____ No Data Available

Persistence and Degradability:

The degradability of the product is not known.

Bio-Accumulative Potential:

No data available on bio-accumulation.

Mobility in Soil:

Not available.

Other adverse effects:

None known.

Section 13 - Disposal Considerations

Disposal methods:

Waste from residues: The product should NOT be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labeled prior to recycling or disposal. Send to a licensed waste management company. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

Section 14 - Transport Information

International Regulations:

IATA-DGR:

Not regulated as a dangerous good

IMDG-Code:

Not regulated as a dangerous good

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

National Regulations:

49 CFR:

Not regulated as a dangerous good

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Section 15 - Regulatory Information

California Prop. 65 _____ This product contains chemical(s) known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
 The chemicals include:
 Naphthalene (CAS: 91-20-3)

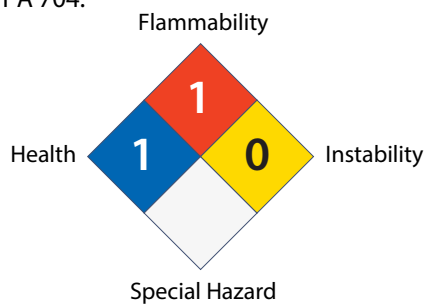
The components of this product are reported in the following inventories:

- DSL _____ At least one component is not listed on the DSL but all such components are listed on the NDSL.
- TSCA _____ All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
- IECSC _____ On the inventory, or in compliance with the inventory

Section 16 - Other Information

Further information:

NFPA 704:



HMIS® IV:

Health	*	2
Flammability		1
Physical Hazard		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

General information: Only trained personnel should use this material.

Training advice: Contact the Supplier. Only trained personnel should use this material.

Revision date: 09 / 12 / 2023

End of SDS

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 a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be 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 in any process, unless specified in the text.

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR1910.1200). The information herein is given in good faith, but no warranty, express or implied, is made. Consult Dualco Inc. for further information: 713-644-1164.