

# MATERIAL SAFETY DATA SHEET

## TIMKEN BALL BEARING ELECTRIC MOTOR GREASE

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME** TIMKEN BALL BEARING AND ELECTRIC MOTOR GREASE  
**PART No.** GR218  
**PRODUCT USE** Lubricating Grease  
**SUPPLIER** The Timken Corporation  
1835 Dueber Ave.  
P.O. Box 6930  
Canton, OH 44706-0930  
Tel: (330) 438-3000

**CANADIAN PIN** N/A

### 2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC	64741-88-4	70-100 %
RESIDUAL OILS, PETROLEUM, SOLVENT-REFINED	64742-01-4	0-10 %

#### COMPOSITION COMMENTS

Refer to section eight for exposure limits on ingredients.  
Chemical ingredients not regulated by OSHA or SARA are treated confidentially.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Exposure to vapors generated at high temperatures, may cause respiratory irritation.  
For further information, please refer to section 11.

#### ACUTE EFFECTS

**HEALTH HAZARDS, GENERAL** No specific health warnings noted.



## 6. ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Minimize skin contact. Avoid breathing vapors. Wear an appropriate respirator if exposure exceeds recommended guidelines. Remove sources of ignition.
<b>PRECAUTIONS TO PROTECT THE ENVIRONMENT</b>	Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.
<b>SPILL CLEAN-UP PROCEDURES</b>	Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water contaminate ponds or waterways.

## 7. HANDLING AND STORAGE

<b>HANDLING PRECAUTIONS</b>	Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Containers to be kept tightly closed. Eye wash and emergency shower must be available at the work place.
<b>STORAGE PRECAUTIONS</b>	Keep away from heat, sparks and open flame. Store separated from: Oxidizing materials. Acids.
<b>STORAGE CRITERIA</b>	Chemical storage.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL	TWA	STEL
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC	OSHA	5 mg/m <sup>3</sup>	N/E		
	ACGIH	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		
RESIDUAL OILS, PETROLEUM, SOLVENT-REFINED	OSHA	5 mg/m <sup>3</sup>	N/E		
	ACGIH	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>		

### PROTECTIVE EQUIPMENT



<b>ENGINEERING CONTROLS</b>	Use engineering controls to reduce air contamination to permissible exposure level.
<b>VENTILATION</b>	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

<b>RESPIRATORS</b>	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.		
<b>PROTECTIVE GLOVES</b>	Chemical resistant gloves required for prolonged or repeated contact.		
<b>EYE PROTECTION</b>	Wear splash-proof eye goggles to prevent any possibility of eye contact.		
<b>PROTECTIVE CLOTHING</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.		
<b>HYGIENIC WORK PRACTICES</b>	Wash at the end of each work shift and before eating, smoking and using the toilet.		

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE/PHYSICAL STATE</b>	Grease.		
<b>COLOR</b>	Blue.		
<b>ODOR</b>	Mild (or faint). Petroleum.		
<b>SOLUBILITY DESCRIPTION</b>	Insoluble in water.		
<b>DENSITY/SPECIFIC GRAVITY (g/ml)</b>	0.90	<b>Temperature (°C)</b>	16
<b>VAPOR DENSITY (air=1)</b>	> 5		
<b>VAPOR PRESSURE</b>	< 0.01 mmHg	<b>Temperature (°C)</b>	20
<b>EVAPORATION RATE</b>	< 1	<b>Reference</b>	BuAc=1
<b>pH-VALUE, CONC. SOLUTION</b>	N/A		

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## 10. STABILITY AND REACTIVITY

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<b>STABILITY</b>	Normally stable.		
<b>CONDITIONS TO AVOID</b>	Avoid contact with acids and oxidizing substances.		
<b>HAZARDOUS POLYMERIZATION</b>	Will not polymerize.		
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of: Carbon.		

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## 11. TOXICOLOGICAL INFORMATION

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<b>TOXICOLOGICAL INFORMATION</b>	No experimental toxicological data on the preparation as such is available.		
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## 12. ECOLOGICAL INFORMATION

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<b>ECOLOGICAL INFORMATION</b>	No data on possible environmental effects have been found.		
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### 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHODS** Dispose of in accordance with Local Authority requirements.

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### 14. TRANSPORT INFORMATION

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**DOT HAZARD CLASS** Not regulated.

**IDENTIFICATION No.** N/A

**U.S. DOT HAZARD LABEL** No DOT label requirement noted

**SEA TRANSPORT NOTES** Not regulated.

**AIR TRANSPORT NOTES** Not regulated.

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### 15. REGULATORY INFORMATION

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#### US FEDERAL REGULATIONS

COMPONENT	SARA 302	CERCLA	SARA 313
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC	N/A	N/A	N/A
RESIDUAL OILS, PETROLEUM, SOLVENT-REFINED	N/A	N/A	N/A

**REGULATORY STATUS** This Product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):  
SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.  
TSCA: The ingredients of this product are on the TSCA Inventory. SARA 311 Categories: None.

#### CLEAN AIR ACT

#### US STATE REGULATIONS

**STATE REGULATORY STATUS** This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

#### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHIMIS

**CONTROLLED PRODUCT CLASSIFICATION** This product has been classified according to the hazard criteria of the Controlled Products Regulations, and the MSDS contains all required information.

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COMPONENT	INVENTORIES							
	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC	DSL	Yes	EINECS	Yes	No	Yes	NAV	Yes
RESIDUAL OILS, PETROLEUM, SOLVENT-REFINED	DSL	Yes	EINECS	Yes	No	Yes	NAV	Yes

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## 16. OTHER INFORMATION

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<b>HEALTH</b>	Irritation, minor residual injury (1)
<b>FLAMMABILITY</b>	Burns only if pre-heated (1).
<b>REACTIVITY</b>	N/A (0).
<b>SPECIAL HAZARD</b>	N/A
<b>NPCA HMIS HAZARD INDEX</b>	Slight Hazard (1)
<b>NPCA HMIS PERS. PROTECT. INDEX</b>	B
<b>PREPARED BY</b>	David Pierman
<b>DATE</b>	August 20, 2003
<b>DISCLAIMER</b>	While the information and recommendations set forth herein are believed to be accurate as of the date thereof, The Timken Company makes no warranty with respect thereto and disclaims all liability from reliance therein.