



# MATERIAL SAFETY DATA SHEET

## LUBRIMATIC DISC/DRUM BRAKE WHEEL BEARING GREASE (11380 - 11382 - 11384 - 11385 - 11386 - 11465)

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>TRADE NAME</b>	LUBRIMATIC DISC/DRUM BRAKE WHEEL BEARING GREASE (11380 - 11382 - 11384 - 11385 - 11386 - 11465)
<b>Product number</b>	PUB25030A0
<b>PRODUCT USE</b>	Lubricating Grease
<b>DISTRIBUTOR</b>	Plews/Edelmann 1550 Franklin Grove Road Dixon, IL 61021 Tel: +01(815) 288 - 3344
<b>CHEMICAL MANUFACTURER</b>	Chemtool Incorporated, P.O.Box 538, 8200 Ridgefield Rd., Crystal Lake, IL 60039-0538, USA
<b>EMERGENCY TELEPHONE</b>	CHEMTREC (800) 424-9300 - Outside the US (703) 527-3887
<b>Date of last issue</b>	2010-01-18

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	64742-52-5	30-50 %
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC (IP 346 EXTRACTS <3%)	64741-88-4A	10-30 %
POLYUREA THICKENER	Proprietary	5-10 %
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	471-34-1	1-5 %
LIMESTONE (CALCIUM CARBONATE)	1317-65-3	1-5 %

**COMPOSITION COMMENTS** Refer to section eight (8) 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.

**SENSITIZATION**

No known information.

**CARCINOGENICITY**

IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated. NTP: Not listed.

**TERATOGENICITY**

No known information.

**HEALTH WARNINGS**

INHALATION. Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product. SKIN CONTACT. Repeated or prolonged contact can result in drying of the skin. EYE CONTACT. Irritating. INGESTION. Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

**ROUTE OF ENTRY**

Inhalation. Skin and/or eye contact. Ingestion.

**MEDICAL SYMPTOMS**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

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## 4. FIRST AID MEASURES

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**INHALATION**

Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor of hot product, immediately remove from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.

**EYES**

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

**SKIN**

Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**INGESTION**

DO NOT INDUCE VOMITING! Get medical attention immediately!

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## 5. FIRE FIGHTING MEASURES

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**FLASH POINT (°C)**

246 (475°F) Cd OC (Cleveland open cup).

**FLAMMABILITY LIMIT - LOWER(%)**

N/D

**FLAMMABILITY LIMIT - UPPER(%)**

N/D

**EXTINGUISHING MEDIA**

Use: Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc. Alcohol resistant foam. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES**

Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Pressure will increase in over heated, closed containers.

**HAZARDOUS COMBUSTION PRODUCTS**

Oxides of: Carbon.

**PROTECTIVE MEASURES IN CASE OF FIRE**

Self-contained breathing equipment and chemical resistant clothing recommended.

## 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. Wear suitable eye protection.
<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>	Keep all sources of ignition and hot metal surfaces away from spill. Avoid contact with eyes or skin. Place leaking containers in well ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapors. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, flush area sparingly with water or use absorbant material. Avoid discharge to natural water ways.

## 7. HANDLING AND STORAGE

<b>HANDLING PRECAUTIONS</b>	Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not reuse container. Keep lid closed when not in use. Do not store or mix with strong oxidizers. Avoid spilling, skin and eye contact. Eye wash and emergency shower must be available at the work place.
<b>STORAGE PRECAUTIONS</b>	Store separate from strong acids and oxidizers. Keep away from heat, sparks and open flame.
<b>STORAGE CRITERIA</b>	Chemical storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL	TWA	STEL
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	OSHA			5 mg/m3 (oil mist)	
	ACGIH			5 mg/m3 (oil mist)	10 mg/m3 (oil mist)
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC (IP 346 EXTRACTS <3%)	OSHA			5 mg/m3 (oil mist)	
	ACGIH			5 mg/m3 (oil mist)	10 mg/m3 (oil mist)
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	OSHA	10 mg/m3 (total)		5 mg/m3 (resp)	
	ACGIH			10 mg/m3	** (e)
LIMESTONE (CALCIUM CARBONATE)	OSHA	15 mg/m3 (total)		5 mg/m3 (resp)	
	ACGIH			10 mg/m3	** (e)

### 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 recommended to prevent prolonged or repeated contact. Use protective gloves made of: Neoprene, Nitrile, Polyethylene or PVC.
<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>SOLUBILITY VALUE (g/100g H<sub>2</sub>O 20°C)</b>	< 0.1		
<b>DENSITY</b>	0.89 - 0.90	<b>Temperature (°C)</b>	15.6 (60°F)
<b>VAPOR DENSITY (air=1)</b>	> 5		
<b>VAPOR PRESSURE</b>	< 0.1 mmHg	<b>Temperature (°C)</b>	20 (68°F)
<b>EVAPORATION RATE</b>	< 0.01	<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 occur.
<b>POLYMERIZATION DESCRIPTION</b>	Not applicable
<b>MATERIALS TO AVOID</b>	Acids, oxidizing. Strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of: Carbon.

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## 11. TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION** No experimental toxicological data on the preparation as such is available.

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## 12. ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION** There is no ecological data on the product itself.

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## 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHODS** Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

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## 14. TRANSPORT INFORMATION

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**DOT HAZARD CLASS** Not regulated.  
**IDENTIFICATION No.** N/A  
**REPORTABLE QUANTITY (RQ)** No  
**U.S. DOT HAZARD LABEL** No DOT label requirement  
**SEA TRANSPORT NOTES** Not regulated per IMDG.  
**AIR TRANSPORT NOTES** Not regulated per IATA.

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## 15. REGULATORY INFORMATION

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### US FEDERAL REGULATIONS

COMPONENT	SARA 302	CERCLA	SARA 313
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	No	No	No
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC (IP 346 EXTRACTS <3%)	No	No	No
POLYUREA THICKENER	No	No	No
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	No	No	No
LIMESTONE (CALCIUM CARBONATE)	No	No	No

**REGULATORY STATUS** Not regulated under SARA 302, SARA 313 or CERCLA.

### CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	No

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CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE) No

**US STATE REGULATIONS**

COMPONENT	CA	MA	FL	MN	NJ	PA	RI
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	No	No	No	No	Yes	Yes	No
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	No	No	No	No	No	No	No

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**LABEL(S) FOR SUPPLY**



**CONTROLLED PRODUCT CLASSIFICATION**

D2A - Very Irritating and/or Very Chronically Toxic Materials

**Risk phrases**

Classification per manufacturer.  
 R-21 Harmful in contact with skin.  
 R-28 Very toxic if swallowed.  
 R-65 Harmful: may cause lung damage if swallowed.  
 R-66 Repeated exposure may cause skin dryness and cracking.  
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**GLOBAL INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC (IP 346 EXTRACTS <3%)	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
POLYUREA THICKENER			ELINCS		Exmpt			
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	DSL	Yes	EINECS	Yes	1-122	Yes	Yes	Yes
LIMESTONE (CALCIUM CARBONATE)	Exempt	Yes	EINECS	Yes	1-122	Yes	Yes	Yes
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC (IP 346 EXTRACATS <3%)	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

**USA (TSCA)**

All components in this product are listed on the US Toxic Substances Control Act (TSCA) Inventory or are exempt from TSCA Inventory requirements.

**CANADA (DSL)**

This product contains one or more proprietary components that may not be listed on the Canada Domestic Substances List (DSL). Contact the Regulatory Compliance Manager for more information.

**EUROPE (EINECS/ELINCS/NLP)**

This product contains one or more components that are NOT LISTED on the European Inventory of New and Existing Chemical Substances (EINECS), the European List of Notified Chemical Substances (ELINCS), or the No Longer Polymers (NLP) list.

<b>JAPAN (ENCS)</b>	All components in this product are listed on the Japan Inventory of Existing and New Chemical Substances (ENCS) or are exempt from ENCS requirements.
<b>PHILIPPINES (PICCS)</b>	This product contains one or more components that are NOT LISTED on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) and are NOT EXEMPT from PICCS requirements.
<b>AUSTRALIA (AICS)</b>	This product contains one or more components that are NOT LISTED on the Australian Inventory of Chemical Substances (AICS) and are NOT EXEMPT from AICS requirements.
<b>KOREA (ECL)</b>	This product contains one or more components that are NOT LISTED on the Korea Existing Chemicals List (ECL) and are NOT EXEMPT from KECL requirements.
<b>CHINA (IECS)</b>	All components in this product are listed on the China Inventory of Existing Chemical Substances (IECS) or are exempt from IECS requirements.

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## 16. OTHER INFORMATION

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### NFPA-HMIS HAZARD RATING

<b>HEALTH</b>	Irritation, minor residual injury (1) - HMIS/NFPA
<b>FLAMMABILITY</b>	Burns only if pre-heated (1) - HMIS/NFPA
<b>REACTIVITY</b>	Normally Stable (0) - HMIS/NFPA
<b>NPCA HMIS HAZARD INDEX</b>	Slight: Slightly Toxic - May cause slight irritation (1). Slight: Slightly Toxic - May cause slight irritation (1).
<b>PERSONAL PROTECTION INDEX</b>	B - Safety Eyewear and Gloves
<b>NPCA HMIS FLAMMABILITY INDEX</b>	Burns only if pre-heated (1). Burns only if pre-heated (1).
<b>NPCA HMIS REACTIVITY INDEX</b>	Normally stable (0).
<b>Tariff Code (Schedule B)</b>	2710.19.3750 Lubricating greases, with or without additives.
<b>PREPARED BY</b>	Chemtool Incorporated
<b>Replacement of MSDS generated</b>	2007-07-09
<b>DATE</b>	2010-01-18
<b>DISCLAIMER</b>	While the information and recommendations set forth herein are believed to be accurate as of the date thereof, the company makes no warranty with respect thereto and disclaims all liability from reliance therein.
<b>INFORMATION SOURCES</b>	Raw Material MSDS(s).
<b>* Information revised since previous MSDS version</b>	
<b>PRINTING DATE:</b>	2010-01-21