

Food-Grade Lubricants &amp; Cleaning Products



Your manufacturing excellence and product quality matter!

# MATERIAL SAFETY DATA SHEET

## EXCEL 1 - EXCEL 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>TRADE NAME</b>	EXCEL 1 - EXCEL 2
<b>PRODUCT USE</b>	Food Grade Lubricating Grease This product conforms to the FDA requirements for lubricants with incidental food contact in 21 CFR 178.3570.
<b>SUPPLIER</b>	Consumer Ready Products 41001 East Centralia Elkhorn, WI 53121 Tel: (262) 723 - 6604 INFOTRAC - U.S. and Canada - (800) 535-5053
<b>Date of last issue</b>	2007-01-22

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
WHITE MINERAL OIL, PETROLEUM	8042-47-5	60-85 %
CALCIUM SULFONATE COMPLEX	Proprietary	15-40 %
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	471-34-1	3-7 %
*TITANIUM DIOXIDE (TiO <sub>2</sub> )	13463-67-7	<0.5 %

\* This chemical(s) is hazardous according to OSHA/WHIMIS criteria

<b>COMPOSITION COMMENTS</b>	Refer to section eight for exposure limits on ingredients. Chemical ingredients not regulated by OSHA, SARA, state or federal agencies are treated confidentially.
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### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Not regarded as a health hazard under current legislation. For further information, please refer to section 11.

<b>INHALATION</b>	Inhalation hazard at room temperature is unlikely due to the low volatility of this product. Heating can generate vapors that may cause respiratory irritation, nausea and headaches.
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<b>INGESTION</b>	May cause stomach pain or vomiting.
<b>SKIN</b>	Prolonged or repeated contact leads to drying of skin.
<b>EYES</b>	May be slightly irritating to eyes.
<b>SENSITIZATION</b>	No known information.
<b>CARCINOGENICITY</b>	OSHA: Not regulated. NTP: Not listed. See Section 11 for carcinogenicity data of ingredients.
<b>TERATOGENICITY</b>	No known information.
<b>MUTAGENICITY</b>	No known information.
<b>HEALTH WARNINGS</b>	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. Slightly irritating. INGESTION. Can cause stomach ache and vomiting.
<b>ROUTE OF ENTRY</b>	Inhalation. Skin and/or eye contact. Ingestion.

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#### 4. FIRST AID MEASURES

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<b>INHALATION</b>	Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.
<b>EYES</b>	Rinse with water. Contact physician if discomfort continues.
<b>SKIN</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.  INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
<b>INGESTION</b>	DO NOT INDUCE VOMITING! Get medical attention immediately!

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#### 5. FIRE FIGHTING MEASURES

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<b>FLASH POINT (°C)</b>	> 180 (356°F) OC (Open cup).
<b>FLAMMABILITY LIMIT - LOWER(%)</b>	N/D
<b>FLAMMABILITY LIMIT - UPPER(%)</b>	N/D
<b>EXTINGUISHING MEDIA</b>	Water spray, fog or mist. Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	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.

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<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</b>	Volume and pressure increases strongly when heated. Risk of container explosion in fire.
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Acrid smoke/fumes. Oxides of: Carbon. Sulfur.
<b>PROTECTIVE MEASURES IN CASE OF FIRE</b>	Self-contained breathing equipment and chemical resistant clothing recommended.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>PERSONAL PRECAUTIONS</b>	Minimize skin contact.
<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>	Provide good ventilation. Use appropriate protective clothing. Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Do not let washing down water contaminate ponds or waterways. Rinse area with water.

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## 7. HANDLING AND STORAGE

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<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. Containers should be kept tightly closed. Avoid spilling, skin and eye contact. 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: Acids. Oxidizing materials.
<b>STORAGE CRITERIA</b>	Chemical storage.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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COMPONENT	STD	TWA	STEL	TWA	STEL
WHITE MINERAL OIL, PETROLEUM	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)
TITANIUM DIOXIDE (TiO2)	OSHA			15 mg/m3 (total)	
	ACGIH			10 mg/m3	**A4
	NIOSH	LFC **Ca			

<b>INGREDIENT COMMENTS</b>	**ACGIH A4: Not Classifiable as a Human Carcinogen. **ACGIH (e): Total dust, containing no asbestos and <1% crystalline silica **NIOSH Ca: Potential Occupational Carcinogen.
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### PROTECTIVE EQUIPMENT

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<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. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.
<b>EYE PROTECTION</b>	Use eye protection.
<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>	Cream.		
<b>ODOR</b>	Mild (or faint). Petroleum.		
<b>SOLUBILITY DESCRIPTION</b>	Insoluble in water.		
<b>DENSITY</b>	0.95 - 1.05 g/cm <sup>3</sup>	<b>Temperature (°C)</b>	25 (77 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 polymerize.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of: Carbon. Sulfur.

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## 11. TOXICOLOGICAL INFORMATION

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

**COMPONENT** **WHITE MINERAL OIL, PETROLEUM**

**TOXICOLOGICAL INFORMATION** This ingredient is a NF / USP grade White Mineral Oil which meets the requirements of the US FDA as per 21 CFR 172.878 and 21 CFR 178.3620(a).  
**TOXIC DOSE - LD 50** > 5000 similar mg/kg (oral rat)  
**TOXIC CONC. - LC 50** N/A.

**COMPONENT** **CALCIUM SULFONATE COMPLEX**

**TOXIC DOSE - LD 50** No Information Available (NIA).  
**TOXIC CONC. - LC 50** No Information Available (NIA).

**COMPONENT** **TITANIUM DIOXIDE (TiO<sub>2</sub>)**

**TOXICOLOGICAL DATA** Carcinogenicity. WHMIS (Canada) D2A - R49 [www.reptox.csst.qc.ca](http://www.reptox.csst.qc.ca) 8/3/2006  
**TOXIC DOSE - LD 50** > 10000 mg/kg (oral rat)  
**TOXIC DOSE - LD 50 SKIN** > 10000 mg/kg (skn rbt)  
**TOXIC CONC. - LC 50** > 6.8 mg/l/4h (inh-rat)  
**CARCINOGENICITY** OSHA: Not regulated. NTP: Not listed. IARC-2B: The agent is possibly carcinogenic to humans (limited evidence of carcinogenicity in humans).

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## 12. ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION** No data on possible environmental effects have been found.

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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  
**TDGR CLASS** Not Regulated.  
**SEA TRANSPORT NOTES** Not regulated per IMDG.  
**AIR TRANSPORT NOTES** Not regulated per IATA.

## 15. REGULATORY INFORMATION

### US FEDERAL REGULATIONS

COMPONENT	SARA 302	CERCLA	SARA 313
WHITE MINERAL OIL, PETROLEUM	No	No	No
CALCIUM SULFONATE COMPLEX	No	No	No
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	No	No	No
TITANIUM DIOXIDE (TiO <sub>2</sub> )	No	No	No

### CLEAN AIR ACT

**SARA HAZARD CATEGORIES** None

### US STATE REGULATIONS

**STATE REGULATORY STATUS** CALIFORNIA 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 - 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.

**CONTROLLED PRODUCT CLASSIFICATION** Not a controlled product.

### GLOBAL INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN
WHITE MINERAL OIL, PETROLEUM	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
CALCIUM SULFONATE COMPLEX	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)	DSL	Yes	EINECS	Yes	1-122	Yes	Yes	Yes
TITANIUM DIOXIDE (TiO <sub>2</sub> )	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

**CANADA CEPA:** All components of this product comply with new substance notification requirements under the Canadian Environmental Protection Act (CEPA).

**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)** All components in this product are listed on the Canada Domestic Substances List (DSL) or are exempt from DSL requirements.

**EUROPE (EINECS/ELINCS/NLP)** All components in this product are 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, or are exempt from EU listing requirements.

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<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>	All components in this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or are exempt from PICCS requirements.
<b>AUSTRALIA (AICS)</b>	All components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt from AICS requirements.
<b>KOREA (ECL)</b>	All components in this product are listed on the Korea Existing Chemicals List (ECL) or are 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>PERSONAL PROTECTION INDEX</b>	B - Safety Eyewear and Gloves
<b>REVISION COMMENTS</b>	Section 11: Toxicological Information
<b>PREPARED BY</b>	James W. Hermann
<b>Replacement of MSDS generated</b>	2006-11-10
<b>DATE</b>	2007-01-22
<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 revised since previous MSDS version</b>	
<b>PRINTING DATE:</b>	2007-04-02