



# SLIPKOTE® Specialty Lubricants

manufactured by HUSK-ITT Corporation / SPECIALTY LUBRICANTS Corporation

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## MATERIAL SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SLIPKOTE Black Multi-Purpose Grease  
**PRODUCT CODE:** 30700  
**PRODUCT USE:** Lubricating grease  
**REVISION DATE:** 01/01/11

**MANUFACTURER:** SPECIALTY LUBRICANTS CORPORATION  
8300 Corporate Park Drive  
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### SECTION 2: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**HEALTH HAZARDS, GENERAL:** Exposure to vapors generated at high temperatures may cause respiratory irritation.

**SENSITIZATION:** No known information.

**CARCINOGENICITY:** See Section 11 for carcinogenicity data of ingredients.

**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: Not determined

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

	CAS NUMBER	%
LUBRICANT BASE OIL (PETROLEUM), HIGHLY REFINED**(2)	Mixture	70 to 90
*LITHIUM SOAP AND MIXED BASE THICKENERS	Proprietary	5 to 15
*PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS	68649-42-3	<1
*BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	26264-06-2	<0.5
*CARBON BLACK	1333-86-4	<0.2
*ANTIMONY DIALKYLDITHIOCARBAMATE	Proprietary	<0.1

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

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (CONTINUED)

**COMPOSITION** Refer to section eight for exposure limits on ingredients.

**COMMENTS:** Chemical ingredients not regulated by OSHA or SARA are treated confidentially.

\*\* (2) The base oil for this product can be a mixture of any of the following highly refined petroleum streams:  
CAS 64741-88-4; CAS 64741-89-5; CAS 64741-96-4; CAS 64741-97-5; CAS 64742-01-4; CAS 64742-52-5; CAS 64742-53-6; CAS 64742-54-7; CAS 64742-55-8; CAS 64742-56-9; CAS 64742-57-0; CAS 64742-62-7; CAS 64742-63-8; CAS 64742-65-0; CAS 72623-83-7; CAS 72623-85-9; CAS 72623-86-0; CAS 72623-87-1.

Carcinogenicity: The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, hydrotreating, and dewaxing to remove aromatics and improve performance characteristics. None of the oils used are listed as a carcinogen by NTP, IARC, or OSHA.

### SECTION 4: FIRST AID MEASURES

**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!

### SECTION 5: FIRE-FIGHTING MEASURES

**FLASH POINT (°C):** 224 (435°F) Cd OC (Cleveland open cup).

**FLAMMABILITY LIMIT:** Lower % = N/D Upper % = N/D

**EXTINGUISHING MEDIA** Use: Carbon dioxide (CO<sub>2</sub>). 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.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Minimize skin contact.

**ENVIRONMENTAL PRECAUTIONS:** 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.

**SPILL CLEAN UP PROCEDURES:** Contain spill. Absorb small amounts. Collect and return large amounts to shipping container. Rinse area with water.

## SECTION 7: HANDLING AND STORAGE

- HANDLING PRECAUTIONS:** 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.
- STORAGE PRECAUTIONS:** Store separate from strong acids and oxidizers. Keep away from heat, sparks and open flame.
- STORAGE CRITERIA:** Chemical storage.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL
LUBRICANT BASE OIL (PETROLEUM), HIGHLY REFINED**(2)	OSHA	5 mg/m <sup>3</sup> (oil mist)	10 mg/m <sup>3</sup> (oil mist)
	ACGIH	5 mg/m <sup>3</sup> (oil mist)	
	NOHSC (AU)	5 mg/m <sup>3</sup> (oil mist)	
CARBON BLACK	OSHA	3.5 mg/m <sup>3</sup>	**A4 **Ca
	ACGIH	3.5 mg/m <sup>3</sup>	
	NIOSH	3.5 mg/m <sup>3</sup>	
ANTIMONY DIALKYLDITHIOCARBAMATE	OSHA	0.5 mg/m <sup>3</sup> as Sb	
	ACGIH	0.5 mg/m <sup>3</sup> as Sb	

- INGREDIENT COMPONENTS:** \*\*ACGIH A4: Not Classifiable as a Human Carcinogen.  
\*\*NIOSH Ca: Potential Occupational Carcinogen.
- ENGINEERING CONTROLS:** Use engineering controls to reduce air contamination to permissible exposure level.
- VENTILATION:** No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.
- RESPIRATORS:** No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
- PROTECTIVE GLOVES:** Chemical resistant gloves recommended to prevent prolonged or repeated contact.
- EYE PROTECTION:** Wear splash-proof eye goggles to prevent any possibility of eye contact.
- PROTECTIVE CLOTHING:** Wear appropriate clothing to prevent repeated or prolonged skin contact.
- HYGIENIC WORK PRACTICES:** Wash at the end of each work shift and before eating, smoking and using the toilet.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Grease	<b>DENSITY:</b>	0.89 at 15.6°C (60°F)
<b>FLASH POINT:</b>	224 (435°F) Cd OC (Cleveland open cup)	<b>VAPOR PRESSURE:</b>	<0.01 mmHg at 20°C (68°F)
<b>AUTO-IGNITION TEMPERATURE:</b>	N/A	<b>VAPOR DENSITY:</b>	>5
<b>FLAMMABLE LIMITS:</b>	N/A	<b>VOLATILITY:</b>	N/A
<b>COLOR:</b>	Black	<b>EVAPORATION RATE:</b>	<0.01
<b>ODOR:</b>	Mild (or faint). Petroleum.	<b>VISCOSITY:</b>	N/A
<b>pH:</b>	N/A	<b>DISPERSIBILITY PROPERTIES:</b>	N/A
<b>BOILING/CONDENSATION POINT:</b>	N/A	<b>SOLUBILITY</b>	Insoluble in water
<b>MELTING/FREEZING POINT:</b>	N/A	<b>ADDITIONAL COMMENTS:</b>	N/A

## SECTION 10: STABILITY AND REACTIVITY

<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>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Oxides of: Carbon.

## SECTION 11: TOXICOLOGICAL INFORMATION

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

### LUBRICANT BASE OIL (PETROLEUM), HIGHLY REFINED\*\*(2)

<b>TOXICOLOGICAL DATA:</b>	Carcinogenicity. IP 346 <3%
<b>TOXIC DOSE - LD 50:</b>	> 5000 mg/kg (oral rat)
<b>TOXIC DOSE - LD 50 SKIN:</b>	> 2000 mg/kg (skn rbt)
<b>TOXIC CONC. - LC 50:</b>	N/A.

### CARBON BLACK

<b>TOXICOLOGICAL DATA:</b>	Carcinogenicity. WHMIS D2A Acute toxicity. TCLo 6 hours. Inhalation. Rat. 7 mg/m3
<b>TOXIC DOSE - LD 50:</b>	> 15400 mg/kg (oral rat)
<b>TOXIC DOSE - LD 50 SKIN:</b>	> 3000 mg/kg (skn rbt)
<b>CARCINOGENICITY:</b>	NTP: Not listed. MAK-3 designation: Substances which cause concern that they could be carcinogenic for man. IARC Group 2B designation: The agent is possibly carcinogenic to humans (limited evidence of carcinogenicity in humans).

## SECTION 12: ECOLOGICAL INFORMATION

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

## SECTION 13: DISPOSAL CONSIDERATIONS

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

## SECTION 14: TRANSPORT INFORMATION

<b>DOT HAZARD CLASS:</b>	Not regulated.
<b>TDGR CLASS:</b>	Not regulated.
<b>SEA TRANSPORT NOTES:</b>	Not regulated per IMDG.
<b>AIR TRANSPORT NOTES:</b>	Not regulated per IATA.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS:

COMPONENT	SARA 302	CERCLA	SARA 313
LUBRICANT BASE OIL (PETROLEUM), HIGHLY REFINED**(2)	No	No	No
LITHIUM SOAP AND MIXED BASE THICKENERS	No	No	No
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	No	1000 lbs.	No
CARBON BLACK	No	No	No
ANTIMONY DIALKYLDITHIOCARBAMATE	No	***	N010 – Sb
PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS	No	***	N982 – Zn

**REGULATORY STATUS:** \*\*\* Indicates that no RQ is assigned to this generic or broad class, although the class is a CERCLA hazardous substance. See 50 Federal Register 13456 (April 4, 1985). Values in Section 313 column represent Category Codes for reporting under Section 313.

### CLEAN AIR ACT:

**SARA HAZARD CATEGORIES:** None

### US STATE REGULATIONS:

COMPONENT	CA	MA	FL	MN	NJ	PA	RI
PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS				Yes	Yes	EH	
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT						EH	
CARBON BLACK							
ANTIMONY DIALKYLDITHIOCARBAMATE	C			Yes		EH	

**STATE REGULATORY STATUS:** PROPOSITION 65: This product may contain the following chemical(s) 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: Carbon black (airborne, unbound particles of respirable size), cancer hazard, CAS# 1333-86-4.

NOTICE: This product contains the following chemicals that the state of Pennsylvania has identified as Special Hazardous Substances (SHS), Environmental Hazards (EH), or both (ESHS). The PA regulations require that the MSDS identify all SHS or EH chemicals by chemical name, common name, and CAS Number if they comprise 0.01% or more.

Zinc compounds regulated under CERCLA and SARA 313, Environmental Hazard Antimony compounds regulated under CERCLA and SARA 313, Environmental Hazard Benzenesulfonic acid, dodecyl-, sodium salt, Environmental Hazard, CAS# 25155-30-0

### 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
ANTIMONY DIALKYLDITHIOCARBAMATE	NPRI	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
LUBRICANT BASE OIL (PETROLEUM), HIGHLY REFINED**(2)	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
LITHIUM SOAP AND MIXED BASE THICKENERS	DSL	Yes	EINECS	No	No	No	No	No
PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS	NPRI	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
CARBON BLACK	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes

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

**SECTION 16: OTHER INFORMATION**

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>PPE</u>
HMIS CODE:	1	1	0	B

The above information is based on the data of which we are aware and believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his/her own determination of the suitability of the material for his/her particular purpose.

N/D Not Determined                      N/A Not Applicable  
< Less Than                                      > Greater Than