

Food-Grade Lubricants & Cleaning Products



Your manufacturing excellence and product quality matter!

MATERIAL SAFETY DATA SHEET

PERFORM 220 - PERFORM 460

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME	PERFORM 220 - PERFORM 460
PRODUCT USE	Food Grade Gear Oil This product conforms to the FDA requirements for lubricants with incidental food contact in 21 CFR 178.3570.
SUPPLIER	Consumer Ready Products. 1001 East Centralia Drive Elkhorn, WI 53121 Tel: (262) 723-6604 Fax: 262) 723 -6730
EMERGENCY TELEPHONE	INFOTRAC U.S. and Canada - (800) 535-5053 Outside the U.S. and Canada - +01-352-323-3500
Date of last issue	2007-01-04

2. COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	WEIGHT
WHITE MINERAL OIL, PETROLEUM	8042-47-5	20-70 %
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)	68037-01-4	20-70 %
SUNFLOWER OIL	8001-21-6	3-7 %

COMPOSITION COMMENTS	Refer to section eight for exposure limits on ingredients. Chemical ingredients not regulated by OSHA, SARA, state or federal agencies are treated confidentially.
-----------------------------	---

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not regarded as a health hazard under current legislation. Exposure to vapors generated at high temperatures may cause respiratory irritation. May cause irritation to eyes and skin.

SENSITIZATION	No known information.
CARCINOGENICITY	NTP: Not listed. IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated.
TERATOGENICITY	No known information.
HEALTH WARNINGS	INHALATION. Oil mist can irritate airways and lungs. 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. Slightly irritating. Repeated or prolonged contact can result in drying of the skin. EYE CONTACT. Irritating. May cause slight eye irritation. May cause very slight transient (temporary) corneal injury. 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.

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. Get medical attention if any discomfort continues. For breathing difficulties oxygen may be necessary.
EYES	Important! Immediately rinse with water for at least 15 minutes. Contact physician if irritation persists.
SKIN	Remove contaminated clothing. Wash skin thoroughly with soap and water. Contact physician if irritation persists.
INGESTION	DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Get medical attention immediately! Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASH POINT (°C)	259-268 (498-515°F) Cd OC (Cleveland open cup).
FLAMMABILITY LIMIT - LOWER(%)	N/D
FLAMMABILITY LIMIT - UPPER(%)	N/D
EXTINGUISHING MEDIA	Use: Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Carbon dioxide (CO ₂).
SPECIAL FIRE FIGHTING PROCEDURES	Use water spray to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures. Caution should be exercised when using water or foam as frothing may occur.
UNUSUAL FIRE & EXPLOSION HAZARDS	Pressure will increase in over heated, closed containers.
HAZARDOUS COMBUSTION PRODUCTS	Acrid smoke/fumes. Oxides of: Carbon.
PROTECTIVE MEASURES IN CASE OF FIRE	Self-contained breathing equipment and chemical resistant clothing recommended.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Minimize skin contact.
PRECAUTIONS TO PROTECT THE ENVIRONMENT	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. Neutralize and absorb small amounts. Collect and return large amounts to shipping container. Rinse spill area with water.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS	Do not reuse container. Keep lid closed when not in use. 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 store or mix with strong oxidizers. Avoid spilling, skin and eye contact. Eye wash station should be available at the work place.
HANDLING DESCRIPTION	21 CFR 178.3570(b) The lubricants are used on food-processing equipment as a protective antirust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is exposure of the lubricated part to food. The amount used is the minimum required to accomplish the desired technical effect on the equipment, and the addition to food of any constituent identified in this section does not exceed the limitations prescribed.
STORAGE PRECAUTIONS	Keep container closed when not in use. Keep away from heat, sparks and open flame. Store separate from strong acids and oxidizers.
STORAGE CRITERIA	Chemical storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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)

PROTECTIVE EQUIPMENT



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 required for 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE	Liquid.		
COLOR	Light (or pale). Amber.		
ODOR	Mild (or faint).		
SOLUBILITY DESCRIPTION	Insoluble in water.		
MELT/FREEZ. POINT (°C, interval)	-23 (-10 F)		
DENSITY	0.864 - 0.866	Temperature (°C)	15.6 (60°F)
VAPOR DENSITY (air=1)	> 5		
VAPOR PRESSURE	< 1 mmHg	Temperature (°C)	20 (68°F)
EVAPORATION RATE	< 1	Reference	BuAc=1
pH-VALUE, CONC. SOLUTION	N/A		
VISCOSITY (interval)	220 - 460 cSt	Temperature (°C)	40 C (104 F)

10. STABILITY AND REACTIVITY

STABILITY	Normally stable.
CONDITIONS TO AVOID	Avoid contact with acids. Strong oxidizing agents.
HAZARDOUS POLYMERIZATION	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of: Carbon.

11. TOXICOLOGICAL INFORMATION

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	1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)
TOXIC DOSE - LD 50	> 2,000 mg/kg (oral rat)
TOXIC DOSE - LD 50 SKIN	> 2,000 mg/kg (skn rbt)
TOXIC CONC. - LC 50	> 5 mg/l

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

CLASSIFICATION COMMENT This product is an oil under 49 CFR Part 130. If shipped by rail or highway in a tank with a capacity of 3,500 gallons or more, it is subject to the requirements of Part 130.

DOT HAZARD CLASS Not regulated.

IDENTIFICATION No. N/A

REPORTABLE QUANTITY (RQ) No

U.S. DOT HAZARD LABEL No DOT label requirement

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
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)	No	No	No
SUNFLOWER OIL	No	No	No

REGULATORY STATUS Clean Water Act / Oil Pollution Act:
This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR

110) and the Oil Pollution Act of 1990. Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

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
1-DECENE, HOMOPOLYMER, HYDROGENATED (COMMON NAME: MEDIUM POLYALPHAOLEFINS)	DSL	Yes	Polymer	Yes	Yes	Yes	Yes	Yes
SUNFLOWER OIL	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
WHITE MINERAL OIL, PETROLEUM	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).

16. OTHER INFORMATION

NFPA-HMIS HAZARD RATING

HEALTH	Irritation, minor residual injury (1) - HMIS/NFPA
FLAMMABILITY	Burns only if pre-heated (1) - HMIS/NFPA
REACTIVITY	Normally Stable (0) - HMIS/NFPA
PERSONAL PROTECTION INDEX	B - Safety Eyewear and Gloves
PREPARED BY	James W. Hermann
DATE	2007-01-04
DISCLAIMER	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.

* Information revised since previous MSDS version

PRINTING DATE:

2007-05-02