

MATERIAL SAFETY DATA SHEET

Smitty's Supply, Inc.

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May be used to comply OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration.
(Non-Mandatory Form) Form Approved OMB No. 1218-0072.

SECTION I GENERAL INFORMATION

PRODUCT NAME Super S Gear Compound EP 220

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT	AMOUNT	LIMIT/QTY	AGENCY/TYPE
LUBRICATING BASE OIL			
SEVERELY REFINED PETROLEUM DISTILLATE			
	<97.00%	5 mg/m3	ACGIH TWA
			10 mg/m3
			ACGIH STEL
		5 mg/m3	OSHA PEL

The BASE OIL may be a mixture of any of the following: CAS 64741884, CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742525, CAS 64742536, CAS 64742547, CAS 64742627 or CAS 72623837

ADDITIVES <3.00%

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substance Control Act Chemical Substance Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

PHYSICAL DESCRIPTION:	SPECIFIC GRAVITY:
Amber to greenish amber viscous liquid	0.88 - 0.93 @ 15.6/15.6c
pH:	VOLATILE ORGANIC COMPOUNDS:
NDA	<1 wt.%, 8.69 g/l (approx.)
VAPOR PRESSURE:	EVAPORATION RATE:
NA	NA
VAPOR DENSITY (AIR=1):	VISCOSITY:
NA	61.2 - 1980 cSt @ 40 C (min.)
BOILING POINT:	PERCENT VOLATILE:
NDA	NA
FREEZING POINT:	
NDA	
MELTING POINT:	
NA	
SOLUBILITY:	
Soluble in hydrocarbon solvents;	
insoluble in water	

SECTION IV FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

FLAMMABLE PROPERTIES:

FLASH POINT: (COC) 338-464f (170 - 240) MIN.

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA: CO₂, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health: 1; Flammability: 1; Reactivity: 0

FIRE FIGHTING INSTRUCTIONS: This material will burn although it is not easily ignited.

COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorus. Heating this material may produce H₂S. Incomplete combustion can produce carbon monoxide.

SECTION V STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: No data available

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: No data available

INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

SECTION VI TOXICOLOGICAL INFORMATION

EYE EFFECTS: No product toxicology data available. The hazard evaluation was based on data from similar materials.

SKIN EFFECTS: No product toxicology data available. The hazard evaluation was based on data from similar materials.

ACUTE ORAL EFFECTS: No product toxicology data available. The hazard evaluation was based on data from similar materials.

ACUTE INHALATION EFFECTS: No product toxicology data available. The hazard evaluation was based on data from similar materials.

ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogens to humans (Group I), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

SECTION VII FIRST AID MEASURES

EYE: No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

SKIN: No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

INHALATION: If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

SECTION VIII SPECIAL PROTECTION INFORMATION

GENERAL CONSIDERATIONS: Consider the potential hazards of this material, applicable exposure limits, job activities and other substances in the workplace when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS: Use in a well-ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

SKIN PROTECTION: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances. Suggested materials for protective gloves include: VITON, NITRILE, SILVER SHIELD, 4H.

RESPIRATORY PROTECTION: No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended mineral oil mist exposure limits. If not, wear a NIOSH approved respirator that provides adequate protection from measured concentrations of this material. Use the following elements for air-purifying respirators: particulate.

SECTION IX REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects: NO
2. Delayed (Chronic) Health Effects: NO
3. Fire Hazard: NO
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

EU RISK AND SAFETY LABEL PHRASE: May cause long-term adverse effects in the aquatic environment.

NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL

WHMIS CLASSIFICATION: This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0

HMIS RATINGS: Health 1; Flammability 1; Reactivity 0

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