



# Material Safety Data Sheet

NORGEAR EP SERIES  
(68, 100, 150, 220, 320, 460, 680, 1000)

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## Material Identification and Use

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Manufacturer's Name	NOCO Energy Corp.
Manufacturer's Address	2440 Sheridan Dr., Tonawanda, NY 14150
Emergency Phone Number	1-800-424-9300 (Chemtrec)
Supplier's Address	P.O. Box 86, Tonawanda, NY 14151
Supplier Emergency Phone Number	1-800-500-6626
Product Name	Norgear EP Series
Product Code	NOC2319 EP 68 NOC2301 EP 100 NOC2320 EP 150 NOC2321 EP 220 NOC2324 EP 320 NOC2325 EP 460 NOC2326 EP 680 NOC2327 EP 1000

Chemical Name and Synonym	Petroleum Hydrocarbon plus Additives
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## Product Use

Recommended for bevel, spur, helical, and worm gears exposed to heavy or shock loading. They may be used in hypoid gears subject to moderate duty service. Other applications include plain and anti-friction bearings.

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Ingredients

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## Components

## CAS Number

## Percentage

Solvent Refined Heavy Paraffinic Distillate

64741-88-4

20 - 70

Solvent Refined Residual Oil

64742-01-4

30 - 80

Additives

Mixture

1 - 7

WHMIS

Not Controlled

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Physical Data

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Physical Form

Liquid

Color

Opaque

Odor

Bland

Appearance

Liquid

Specific Gravity

0.8783

Vapor Pressure (mm HG @ 20° C)

0

Vapor Density

Not Volatile

Evaporation Rate

Not Determined

Boiling Point

&gt; 330°C (&gt;625°F)

Freezing Point	N/A
pH	N/A
Solubility in H <sub>2</sub> O	0 at 20°C
Melting Point	Less than -12°C (10°F)
Viscosity SUS at 100°F	> or = 100
Stability	Product is stable under normal conditions

### Fire and Explosion Hazards

Conditions of Flammability	Addition of water or foam may cause frothing. Do not cut, drill or weld empty containers.
Extinguishing Media	Foam, Water Fog, Dry Chemical, Carbon Dioxide. Closed containers exposed to fire may be cooled with water.
Flashpoint and Method of Determination	450°F (233°C) , COC
Flammable Limits in Air % B. V. Upper	Not Determined
Flammable Limits in Air % B. V. Lower	Not Determined
NFPA - Hazard Class	Health:0 Fire:1 Reactivity:0
Hazardous Combustion Products	From Burning: carbon monoxide, carbon dioxide and oxides of phosphorous.
Unusual Fire an Explosion Hazard	Do not cut, weld, braze, solder, drill, grind or expose containers, drums, tanks, etc. of product to heat, flame, sparks, static electricity or other sources of ignition; they may ignite explosively.
Special Fire Fighting Procedures	Wear self contained breathing apparatus when fire fighting in a confined space. Do not use water except as fog.

### Reactivity Data

Chemical Stability	Stable
Incompatible Materials	Keep away from strong oxidizing agents, such as, hydrogen peroxide, Bromine, chlorine and chromic acid.
Hazardous Decomposition	Carbon monoxide and carbon dioxide from burning.
Hazardous Polymerization	Material is not known to polymerize.

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#### Health Hazard Information

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##### Routes of Entry

Skin Contact	Prolonged or repeated contact with skin may cause mild irritation and possibly dermatitis.
Eye	Mildly irritating to eyes.
Inhalation	If heated, sprayed or misted, may cause chemical pneumontis.
Ingestion	Low toxicity on ingestion. Has laxative effect.
Carcinogenicity	Not listed as a carcinogenic.
Health Hazard Data	Permissible Concentrations (air): see COMMENTS section Chronic effects of overexposure: no data available Acute toxicological properties: no data available

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#### Emergency and First Aid Procedures

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Eyes	In case of contact, immediately flush eyes with large amounts of water for at least 15 minutes. Get medical attention.
Skin	Remove excess with cloth or paper. Wash skin thoroughly with soap and water or waterless hand cleaner. If irritation occurs, get medical attention.
Inhalation	If breathing is difficult, remove victim to fresh air, give artificial respiration if not breathing. Call a physician.

Ingestion

Do not ingest. If ingested, do not induce vomiting. Contact a physician immediately.

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### Preventative Measures

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Ventilation Requirements

Use explosion proof ventilation as required to control vapor concentration.  
See COMMENTS section.

Respiratory Protection

If vapor concentration exceeds permissible exposure use NIOSH / MSHA certified respirator with dual organic vapor, mist and particulates cartridge.

Eye Protection

Safety glasses with side shields or goggles. (Chemical safety goggles)

Protective Gloves

Neoprene Type

Personal Hygiene

Wear effective plant clothing. Contaminated clothing should be removed and washed in soap and water. Cleanse skin thoroughly before meals with soap and water. Shower and eyewash facilities should be accessible.

Additional Protective Equipment

None

Note

N/A

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### Environmental Procedures

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Spills or Releases

If material is spilled or released to the atmosphere, steps should be taken to prevent discharges to streams or sewer systems. Transfer bulk of mixture into another container. Absorb residue with inert material such as earth, sand, or vermiculate. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations. Spills or releases should be reported, if required to the appropriate local, state and federal regulatory agencies.

Waste Disposal

Clean up action should be carefully planned and executed. Shipment, storage and/or disposal of waste materials are regulated and action to handle or dispose of spilled or released materials must meet all state, local, and federal rules.

## Storage

Protect against physical damage. Separate from oxidizing materials. Store in cool well ventilated area of non-combustible construction away from possible sources of ignition. Do not handle or store at temperatures over (maximum storage temperature) 60°C (140°F)

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Regulatory Information

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## Dept. of Transportation

DOT Shipping Name: NONE

Hazard Class: NONE

ID Number: NONE

Special Transportation Notes - NONE

## TSCA

All Components are Listed on EPA/TSCA Inventory.

## CERCLA

This product is classified as an oil under section 311. Spills into or leading to surface water that cause sheen must be reported to the National Response Center at 1-800-424-8802.

## RCRA

If this product becomes a waste it would not be a hazardous waste by RCRA - 40 CFR 261. Place in an appropriate disposal facility in compliance with local authorities.

## SARA Title III - Section 302

Not Applicable

## Section 311/312

Not Applicable

## Section 313

This product does not contain any chemical in sufficient quantity to be subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

## Reportable Quantity

N/A

## Freight Classification

Petroleum Lubricating Oil

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Comments

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If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m<sup>3</sup> for mineral oil mist (OSHA and ACGIH).

All components of this product are on the US TSCA Inventory and Canadian Domestic Substance List.

The additive manufacturers have declared the additive mixtures in this product a trade secret.

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#### Preparation Date of Material Safety Data Sheet

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Prepared By	Tom Goodnight
Phone number of Preparer	1-800-500-6626
Date Prepared	06/29/2000
Revised Date	06/01/2011

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#### Disclaimer

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