



Material Safety Data Sheet

PREMIUM PLUS MULTIGRADES

(5W-20, 5W-30, 10W-30, 10W-40, 20W-50)

Material Identification and Use

Manufacturer's Name	NOCO Energy Corp. (/)
Manufacturer's Address	2440 Sheridan Dr., Tonawanda, NY 14150 (U.S. and Canada)
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	Premium Plus
Product Code	NOC2172 5W-20 NOC2173 5W-30 NOC1817 10W-30 NOC1814 10W-40 NOC2175 20W-50
Chemical Name and Synonym	Petroleum Hydrocarbon plus Additives
Product Use	For Use in Internal Combustion Engines.

Chemical Ingredients

Product Components	CAS Number	% (Volume)
Solvent Refined Heavy Paraffinic Distillate	64741-88-4	0 - 50
Solvent Refined Residual Oil	64742-01-4	0 - 40
Severely Hydrotreated Base Stock Blend	Mixture	0 - 60
Hydrotreated Heavy Paraffinic Distillate	64742-54-7	0 - 90
Additives	Mixture	15 - 25
WHMIS Classification	Not Controlled	

Physical Data

Form	Liquid
Appearance	Liquid
Odor	Bland
Color	Dark Brown
Specific Gravity (water=1)	.8602 - .8855
Boiling Point	> 330°C (625°F)
Melting Point	< -27°C (-16°F)
Solubility in Water (by weight %)	0 at 20°C
Evaporation Rate	Not Determined
Vapor Pressure (mm Hg at 20° C)	0
Vapor Density (air = 1)	Not Volatile
pH (as is)	Not Applicable
Stability	Product is stable under normal conditions
Viscosity SUS at 100°F	Greater than or Equal to 100

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	400°F (204°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.

Health Hazard Information

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

Emergency and First Aid Procedures

Eyes	In case of contact, 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.

Special Protection / Preventative Measures Information

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.
Protective Equipment	None
Note	N/A

Environmental Procedures

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.
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)

Regulatory Information

Dept. of Transportation	DOT Shipping Name: NONE Hazard Class: NONE ID Number: NONE Special Transportation Notes - NONE
TSCA CERCLA	All Components are Listed on EPA/TSCA Inventory. 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 Section 311/312 Section 313	Not Applicable Not Applicable This product contains the following toxic chemical category(ies) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.
Reportable Quantity Freight Classification	1.08% (wt) zinc compound or 0.108% (wt) zinc in compound form Petroleum Lubricating Oil

Comments

If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ 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.

Preparation Date of Material Safety Data Sheet

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