

# Material Safety Data Sheet

## NOCOLUBE AW SERIES

(AW22, AW32, AW46, AW68, AW100, AW150, AW220, AW320)

### Material Identification and Use

Manufacturer's Name	<a href="#">NOCO Energy Corp.</a>
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	NOCOLUBE AW Series
Product Code	NOC1656 AW22 NOC1657 AW32 NOC1658 AW46 NOC1659 AW68 NOC2778 AW100 NOC2080 AW150 NOC2779 AW220 NOC2780 AW320
Chemical Name and Synonym	Petroleum Hydrocarbon plus Additives
Product Use	Premium AW oils are designed for use as heavy duty hydraulic power transmission fluids and for lubrication where good antiwear and anti-oxidation properties are required. They would typically be used in high-pressure hydraulic systems, machine tools, presses, compressors, pumps, gear sets, and centralized bearing lubrication systems.

### Chemical Ingredients

Product Components	CAS Number	% (Volume)
Severely Hydrotreated Heavy Paraffinic Distillate	64742-54-7	55 - 99
Solvent Dewaxed Residual Oil	64742-62-7	0 - 45
Additives	Mixture	0.5 - 1.5
WHMIS Classification	Not Controlled	

### Physical Properties

Form	Liquid
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Appearance	Liquid
Odor	Bland
Color	Brown
Specific Gravity (water=1)	.8855 - .8740
Boiling Point	> 330°C (625°F)
Melting Point	< -9°C (15°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

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### 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	410°F (210°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.

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### Reactivity Data

Chemical Stability	Stable
Incompatible Materials	Keep away from strong oxidizing agents, such as, hydrogen peroxide, Bromine, chlorine and chomic 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 pneumonitis.
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, 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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### Special Protection / Preventative Measures Information

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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.
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.
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

Storage rules.  
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	1.5% (wt) zinc compound or 0.15% (wt) zinc in compound form
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/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.

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### Preparation Date of Material Safety Data Sheet

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