



Material Safety Data Sheet

NOCOSOL

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	NOCOSOL
Product Code	NOC0845
Chemical Name and Synonym	Petroleum Hydrocarbon and Additives
Product Use	Metalworking Fluid

Chemical Ingredients

Product Components	% (Volume)	CAS Number
Heavy Napthenic, severely hydrotreated, chemically neutralized oil	90 - 98	64742-52-5
WHMIS Classification	Class D	Division 2B

Physical Properties

Physical Form	Clear Liquid
Color	Amber
Odor	Bland Petroleum Odor
Appearance	Liquid
Specific Gravity	0.915
Vapor Pressure (mm HG @ 20° C)	0
Vapor Density	Not Volatile
Evaporation Rate	Not Determined
Boiling Point	>105°C (>221°F)
Freezing Point	N/A

pH @ 5% Solution	8.9
Solubility in H ₂ O	Complete / Forms Emulsion
Melting Point	N/A
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 Agents	Foam, Water Fog, Dry Chemical, Carbon Dioxide. Closed containers exposed to fire may be cooled with water.
Flashpoint and Method of Determination	355°F (180°C) , COC
Flammable Limits in Air % B. V. Upper	Not Determined
Flammable Limits in Air % B. V. Lower	Not Determined
NFPA - Hazard Class	Health:1 Fire:1 Reactivity:0
Hazardous Combustion Products	From Burning; carbon monoxide, carbon dioxide and oxides of phosphorous.
Unusual Fire and 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	From Burning: Oxides of Carbon, Sulfur, Phosphates, and minor amounts of H ₂ S.
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.
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Eye	Mildly irritating to eyes.
Inhalation	Mist of vapors may irritate nose, throat, and lungs.
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, 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. Do not reuse clothing soaked with this product until laundered. Discard all leather articles which have been soaked with this product. 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.
Additional Protective Equipment	None
Note	Avoid getting this material in contact with your skin and eyes. Avoid the generation of oil mists. Wash hands after handling and before eating. Avoid container damage while handling.

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.
Waste Disposal	Clean up action should be carefully planned and executed. Do not allow spilled material to enter sewers or streams. Add dry material (such as diatomaceous earth, dry clay or sand) to absorb (large spill, dike to contain). Flush area with water to remove residue. 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, dry, 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	Not Applicable
Section 311/312	Not Applicable
Section 313	This product contains the toxic chemical or chemicals listed below, which are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and the requirements of 40 CFR part 372. None

This notice must not be detached from the foregoing

MSDS. If the MSDS is copied for any reason, including distribution, this notice must also be copied and accompany all redistributed MSDS'. Failure to do so may subject you to penalties under law.

This product contains the following ingredient(s) which are regulated under the Clean Air Act Section 112 hazardous air pollutants and is subject to all reporting requirements of CERCLA (Superfund).
None.

Reportable Quantity	N/A
Freight Classification	Petroleum Metalworking Fluid (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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