



Material Safety Data Sheet

NOCOCOOL BLUE

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	NOCOCOOL Blue
Product Code	NOC0880
Chemical Name and Synonym	Synthetic Metalworking Fluid
Product Use	Synthetic Metalworking Fluid

Ingredients

Components	Percentage	CAS Number	Hazard Data
Water	70 - 100	7732-18-5	
Carboxylic Acid, di, C6-12, compounds with Alkanolamine (1:2)	1 - 5	68937-73-5	
Boric Acid, compound with Alkanolamine	1 - 5	26038-87-9	
Oxirane, Methyl Polymer with Oxirane	1 - 5	9003-11-6	
Octanoic Acid, Compound with Alkanolamine (1:1)	1 - 5	28098-03-5	

Alkanolamine	1 - 5	141-43-5	
Triethanolamine	1 - 5	102-71-6	
Ethanol, 2.2', 2"	1 - 5	102-71-6	ACGIH TLV/TWA 5mg/m3 (mist)
WHMIS Classification			Class D; Division 2B

Physical Data

Physical State	Liquid
Odour and Appearance	Blue Liquid, Sweet Odor
Specific Gravity	1.03
Vapor Pressure (MM HG @ 20° C)	Not Determined
Vapour Density	Not Determined
Evaporation Rate	Not Determined
Boiling Point	100°C (212°F)
Freezing Point	32°F
pH	9.1 @ 5% Solution
Solubility in H2O	Complete

Fire and Explosion Hazards

Conditions of Flammability	Will not burn.
Extinguishing Media	Will not burn.
Flashpoint and Method of Determination	N/A
Flammable Limits in Air % B. V. Upper	Not Determined
Flammable Limits in Air % B. V. Lower	Not Determined
NFPA - Hazard Class	Health:2 Fire:1 Reactivity:0
Hazardous Combustion Products	Oxides of Carbon, Nitrogen, and Boron.
Unusual Fire an Explosion Hazard	None Known
Special Fire Fighting	Wear self contained breathing apparatus when

Procedures

fire fighting in a confined space. Cool fire exposed containers with water spray.

Reactivity Data

Chemical Stability	Stable
Incompatible Materials	Strong oxidizing agents: Peroxides, Chlorine, Strong Acids, etc.
Hazardous Decomposition	Oxides of Carbon, Nitrogen, and Boron.
Hazardous Polymerization	Material is not known to polymerize.

Health Hazard Information

Routes of Entry

Skin Contact	Prolonged or repeated contact with skin may cause dryness or mild irritation.
Eye	This product can cause redness, irritation, or a burning sensation.
Inhalation	No Acute effects are expected.
Ingestion	Small amounts ingested incidental to normal handling are not likely to cause injury, large amounts ingested may cause injury.
Carcinogenicity	Not listed as a carcinogenic.

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	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.
Ingestion	Dilute with water. Get medical attention.

Preventative Measures

Ventilation Requirements	Use explosion proof ventilation as required to control vapor concentration..
Respiratory Protection	Not required under normal OSHA PEL. Use NIOSH approved respirators to prevent over-exposure.
Eye Protection	Safety glasses with side shields or goggles.
Protective Gloves	Nitrile gloves provide best protection to hands and arms.
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.
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. 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.

Regulatory Information

Dept. of Transportation	DOT Shipping Name: NONE Hazard Class: NONE ID Number: 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	Hazardous Chemical: No Immediate: No Delayed: No Sudden Release: No Reactive: No
Section 313	Not Applicable

Other

This product contains an alkanolamine. In all metalwork fluids containing amines, there is a potential for forming nitrosamine, which are animal carcinogens. Therefore, no nitrates or related nitrosating agents should be added to such compositions.

Preparation Date of Material Safety Data Sheet

Prepared By	NOCO - Tom Scoda
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