



AH-64
Apache Helicopter
R&D Team



High-Performance Heat Transfer Coolant

- Reduces or eliminates bubbles or vapor barrier (cavitation) that form on hot metal surfaces to reduce coolant temperatures by up to 12°F (-11°C).
- Increases horsepower.
- Extends engine life.
- Superior heat transfer properties compared to glycol-based antifreeze.
- Compatible with new or used antifreeze to improve the heat transfer of ethylene and propylene glycol systems.
- Improves heat transfer and reduces cylinder head temperature.
- Reduces engine oil temperature.
- Nano Cool contains lubricity enhancers for improved water pump reliability.
- Increase thermal uptake and viscosity for better flow and heat transfer.

Perfect for use in high revving street, off-road, motorcycles, ATV, Marine engines. Engineered for today's cast iron, copper, aluminum, brass and bronze cooling systems.

Proven in open wheel and stock car racing.

NANO **Pro MT**

Conor Daly
Nano Racing Team
Indycar Series

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MADE IN

THE USA

NANO ProMT High-Performance Coolant is the First Product of its kind to utilize today's enhanced nano-sized materials suspended in de-ionized water to displace heat faster and more efficiently than any other coolant. Engines run cooler and more reliably with less catastrophic failures. It also addresses problems related to excessive heat buildup, such as seal and oil damage, leaking, and abnormal wear.

DESCRIPTION	HIGH-PERFORMANCE HEAT TRANSFER COOLANT
PART#	NDT16NC
UPC CODE	8 53770 00427 9
SCC CODE	1 08 53770 00427 6
HARMONIC CODE	TBD
PACKAGE CONTENTS	16 OZ
SELLING UNIT WEIGHT LBS	2.0833
SELLING UNIT DIMENSION O.D.	2.60" x 2.60" x 9.30"
SELLING UNIT CUBE FOOT	.044
CASE PACK	12
CASE WEIGHT LBS	12
CASE DIMENSION O.D.	11" x 8.4" x 10"
CASE CUBE	0.53 cubic feet
CASES PER PALLET	1296
CASES/LAYER	72
LAYERS/PALLET	18
WEIGHT/PALLET LBS +50LB PALLET	1,296 + 40 (total weight 1,336 lbs.)



NANO ProMT • 7427 Matthews Mint Hill Rd • Ste 201
 Mint Hill • NC 28227 • www.nanoprompt.com • Made in USA



Product Name: Nano Cool

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product: Nano - Cool Additive
Product Description: Nano Material dispersion in Deionized water
Product Code: RMNDT16NC
Intended Use: Coolant Additive

Company Identification:

Manufacturers Name: Nano Pro MT
Address: 7427 Matthews Mint Hill Rd, Ste 201 Mint Hill, NC 28227
Telephone Number: **704.954.8290**
Emergency: **704.408.3641**

SECTION 2: HAZARD IDENTIFICATION

Emergency Overview: This product contains no substances which, at the specified concentrations, are considered to be hazardous to health

OSHA Regulatory Status: This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Precautionary Statements:
Obtain special instructions before use

Routes of Exposure:
Inhalation, ingestion and dermal

Other Information:
May cause eye irritation

NFPA Rating: Flammability: 0, Reactivity: 0, Health: 0

HMIS Rating: Flammability: 0, Reactivity: 0, Health: 0

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable hazardous substance(s) or complex substance(s)

Component	CAS Number	Weight %
Trade Secret	n/a	5-15%
Deionized Water	7789-20-0	85-95%

SECTION 4: FIRST AID MEASURES

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.

Inhalation: If user experiences breathing difficulty move to air free of vapors.

SECTION 5: FIRE AND EXPLOSION DATA

Flammability Classification: NFPA Class 0

Fire Fighting Instructions: Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas.

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media: Use of water spray may be inefficient

SECTION 6: ACCIDENTAL RELEASE MEASURES

Clean-up: Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

Small spills: Take up the spilled liquid with sand, earth, or other noncombustible absorbent material and place in a plastic container where applicable.

Large spills: Dike far ahead of spill for later disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Read carefully all cautions and directions on product label before use. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Shake well before use.

Storage: Keep container tightly closed when not in use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure limits/standards for materials that can be formed when handling this product: When mists / aerosols can occur, the following are recommended: 2 mg/m³ - ACGIH TLV, 2.5 mg/m³ - OSHA PEL.

NOTE: Limits/standards shown for guidance only. Follow applicable regulations. This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Engineering Controls:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

Control measures to consider:

No special requirements under ordinary conditions of use and with adequate ventilation.

Personal Protection:

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection: Not required under ordinary conditions of use.

Eye Protection: Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury.

Skin and Body Protection: Wear impermeable gloves. Gloves contaminated with product should be discarded.

Specific Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice

Environmental Controls: See Sections 6, 7, 12, 13.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Boiling Point: 100°C / 212°F

Evaporation Rate (Butyl Acetate = 1): 0.3

Percent Volatile: >80%

Solubility in Water: soluble

SECTION 10: STABILITY AND REACTIVITY

Conditions to Avoid: No data available

Materials to Avoid: Strong oxidizers

Hazardous Decomposition Products: Carbon oxides

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Inhalation: Specific test data for the substance or mixture is not available

Eye Contact: Specific test data for the substance or mixture is not available

Skin Contact: Specific test data for the substance or mixture is not available

Ingestion: Specific test data for the substance or mixture is not available

Information on Toxicological Effects:

Symptoms: No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Sensitization: No information available

Mutagenic Effects: No information available.

Carcinogenicity: Contains no ingredient listed as a carcinogen.

Reproductive Toxicity: No information available.

STOT - single exposure: No information available.

STOT - repeated exposure: No information available.

Chronic Toxicity: No known effect based on information supplied.

Target Organ Effects: None known.

Aspiration Hazard: No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulative Potential: No information available.

Mobility in Soil: No information available.

Other Adverse Effects: No information available.

SECTION 13: DISPOSAL INFORMATION

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

SECTION 14: TRANSPORT INFORMATION

LAND-DOT: Not Regulated for Land Transportation

LAND-TDG: Not Regulated for Land Transportation

SEA-IMDG: Not Regulated for Sea Transport

AIR-IATA: Not Regulated for Air Transport

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard: When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

WHMIS: Not a controlled product

Chemical Inventory Listing: TSCA

EPCRA: This material contains no extremely hazardous substances.

SARA (311/312) Reportable Hazard Categories: None

SARA (313) Toxic Release Inventory: This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program

TSCA: This material is in compliance with the Toxic Substances Control Act (15USC2601-2629)

SECTION 16: OTHER INFORMATION

NE = Not Established, ND = Not Determined, NA = Not Applicable

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