

Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: Signature[®] HD NOAT Antifreeze/Coolant 50/50

Distributor Information:

Parman Energy Group
7101 Cockrill Bend Blvd
Nashville, TN 37209
(800) 727-7920

Product Use: Industrial Oil

Emergency Phone Number:

PERS (800) 633-8253

SECTION 2 HAZARD(S) IDENTIFICATION

Classification: Acute Toxicity - oral category 4 Single target organ toxicant – repeated exposure category 2

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Amount (by weight)
Ethylene Glycol	107-21-1	45-55
Sodium 2- ethylhexanoate	19766-89-3	0.1- < 3

SECTION 4 FIRST-AID MEASURES

Inhalation: Get medical advice or attention if you feel unwell or are concerned

Skin: Call a doctor if you feel unwell.

Eye Contact: If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Call a doctor if you feel unwell.

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SECTION 5 FIRE-FIGHTING MEASURES

Flash Point: Not Determined

Flammable Limits: Not Determined

Extinguishing media: Not Applicable

Special firefighting procedures: Not applicable

General Directions: product will not burn without driving water from material first. Evacuate area and fight fire from a safe distance. If leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapor and to protect personnel attempting to stop a leak. Use water spray to cool adjacent structures and to protect personnel. Shut off source of flow if possible (safely). Stay away from storage tank ends. Withdraw immediately in case of rising sound from venting safety device or any discoloration of storage tank due to fire. Fire fighters must wear MSHA/NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.

Unusual fire & Explosion hazards:

Byproducts of combustion: High temperatures may create heavy flammable vapors that may settle along ground level and low spots to create an invisible fire hazard.

Autoignition temperature: Fires involving this product may release oxides of carbon, nitrogen and sulfur; reactive hydrocarbons and irritating vapors.

Explosion data: Not determined.

Other: Not determined. Care should always be exercised in dust/mist areas. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Immediately turn off or isolate any source of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate. Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spill, once contained, may be picked up using explosion proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers for disposal. If a large spill occurs notify appropriate authorities. In case of road spill or accident contact Chem-Trec (800-424-9300).

Try to contain large spills with floating booms to prevent spill from spreading. Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities (normally the National Response Center or Coast Guard at 800424-8802). Do not empty into drains. All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14.

CAUTION - If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will be regulated.

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SECTION 7 HANDLING AND STORAGE

General Handling Information: Keep containers closed when not in use. Do not transfer to unmarked containers. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld, or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

Handling temperatures should not exceed 60°C (140°F) to minimize danger of burns. Open containers carefully in a well-ventilated area or use appropriate respiratory protection. Wash thoroughly after handling.

Storage Procedures: Store containers away from heat, sparks, open flame, or oxidizing materials. Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits/standards for materials that can be form with handling this product:

Component	CAS Number	OSHA PEL	ACGIH TLV
Ethylene Glycol	107-21-1	-	100 mg/m ³
Sodium 2-ethylhexanoate	19766-89-3	-	-

Personal Protective Equipment: Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel.

Respiratory protection: None required if ventilation is adequate. Otherwise a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist air purifying respirator.

Eye/Face Protection: Eye protection is strongly recommended. Wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent).

Skin and Body Protection: Impervious, chemically resistant gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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

Color: Red, Clear

Physical State: Liquid

Odor: Sweet

Odor Threshold: Not determined.

pH: Not determined.

Vapor Pressure: Not determined.

Vapor Density (Air = 1): Not determined.

Initial Boiling Point: Not determined.

Solubility: Miscible in water, negligible in most petroleum solvents

Freezing Point: Not determined.

Density: Not determined.

Viscosity: Not determined.

Decomposition temperature: Not determined.

Octanol/Water Partition Coefficient: Not determined.

Flammable Properties: Non-flammable

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Material is chemically stable at room temperatures and pressure

Chemical Stability: Will not occur.

Avoid high temperatures and product contamination.

Avoid contact with acids and strong oxidizing materials

Incompatibility With Other Materials: Smoke, carbon monoxide, carbon dioxide, and other aldehydes combustion. Oxides of carbon, nitrogen, and sulfur; reactive hydrocarbons vapors.

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SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity (LD50):

Acute Eye Irritation: non-irritant

Acute Skin Irritation: non-irritant.

Acute Dermal Toxicity: >5000 mg/kg

Acute Oral Toxicity: 300-200 mg/kg

Acute Inhalation Toxicity: > 20.0 mg/l

Dermal sensitization: not expected to have a sensitizing effect

Respiratory sensitization: not expected to have a sensitizing effect

Aspiration Hazard: not applicable

Reproductive Toxicity: not expected to have adverse effects on reproduction.

Specific Target Organ Toxicity – Single Exposure: not expected to have adverse effects

Specific Target Organ Toxicity – Repeated Exposure: May cause damage to organs through prolonged or repeated exposure.

*All data in this section is based off calculations from Part 3 of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) utilizing information from the constituent components

SECTION 12 ECOLOGICAL INFORMATION

Environmental toxicity

Fish: >100 mg/l

Invertebrates: > 100 mg/l

Aquatic Plants: >100 mg/l

Microorganism: > 100 mg/l

Persistence/Degradability: This product is expected to be readily biodegradable.

Bioaccumulation: Not Determined

Mobility in Soil: Not Determined

Other: All classifications are based on calculations in Part 4 of the Global Harmonized System of Classification and Labelling of Chemicals (GHS) utilizing information from the constituent components

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SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal: This product unadulterated by other materials can be classified as a non-hazardous waste. Depending on use, used product may be regulated. Dispose of in a licensed facility. Do not discharge product into sewer system. Dispose of containers by crushing or puncturing, so as to prevent unauthorized use of used containers. Waste management should be in full compliance with federal, state, and local laws.

Other: The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate.

SECTION 14 TRANSPORT INFORMATION

Land Transport (DOT): UN 3082

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Ethylene Glycol),
9, PG III

Land Transport (TDG): Not regulated for land transport.

Proper Shipping Name: Not applicable.

Sea Transport (IMDG): Not regulated for sea transport.

Proper Shipping Name: Not applicable.

Air Transport (IATA): Not regulated for air transport.

Proper Shipping Name Not applicable.

Other: Product is not regulated in quantities under 10,000 pounds in a single container according to 49 CFR §172.101 Appendix A.

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SECTION 15 REGULATORY INFORMATION

Federal Regulations

Clean Water Act/Oil: No components of this product were listed

TSCA: All components of this material are listed in the US TSCA Inventory

Other TSCA: Not applicable.

SARA title III:

Secoion 302/304 extremely hazardous substances: none

Section 311, 312 Hazard Categorization:

Acure (immediate Health Effects): YES

Chronic (delayed health effects): YES

Fire (Hazard): NO

Reactivity (Hazard): NO

Pressure(Sudden release hazard): NO

Section 313 toxic chemicals: no components present are at or greater than the de minimis (minimum reportable) concentration requirements for reporting.

CERCLA: For stationary/moving sources- reportable quantity (due to): not hazardous due to the petroleum exclusion.

State Regulations

Other: A release of this product, as supplied, is exempt from reporting under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA). However, releases may be reportable to the Nation Response Center under the Clean Water Act, 33 U.S.C. 1321(b)(3) and (5) - see head of Section 15. Failure to report may result in substantial civil and criminal penalties.

SECTION 16 OTHER INFORMATION

NFPA Ratings

NFPA Health Hazard 1

NFPA Fire Hazard 1

NFPA Reactivity 0

HMIS Rating

HMIS Health Hazard 1

HMIS Fire Hazard 1

HMIS Reactivity 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *-Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

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Revision Statement: This revision updates the following sections of this Safety Data Sheet 1-16

Revision Date: July 14, 2020

Abbreviations that may have been used in this document:

TLV – Threshold Limit Value	TWA – Time Weighted Average
STEL – Short-term Exposure Limit	PEL – Permissible Exposure Limit
GHS – Globally Harmonized System	CAS – Chemical Abstract Service Number
ACGIH – American Conference of Governmental Industrial Hygienists	IMO/IMDG – International Maritime Dangerous Goods Code
API – American Petroleum Institute	SDS – Safety Data Sheet
HMIS – Hazardous Materials Information System	NFPA – National Fire Protection Association (USA)
DOT – Department of Transportation (USA)	NTP – National Toxicology Program (USA)
IARC – International Agency for Research on Cancer	OSHA – Occupational Safety and Health Administration
NCEL – New Chemical Exposure Limit	EPA – Environmental Protection Agency
SCBA – Self-Contained Breathing Apparatus	

Prepared according to the 29 CFR 1910.1200 (2012) by Parman Energy

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