Nano Pro MT SAE 75W-90 GL-5 Synthetic Gear Oil

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024
Issue date: 3/5/2025 Revision date: 3/5/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product form	:	Mixture
Product name	:	Nano Pro MT SAE 75W-90 GL-5 Synthetic Gear Oil
Product code – Part Numbers	:	NDT32GO; NDT640SGO
Tariff Code-	:	2710.19.3040

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	:	Automotive, Truck, Equipment EP gear oil

1.4. Supplier's details

Supplier
Nano Pro MT
7427 Matthews-Mint Hill Road, Suite 201
Charlotte, NC 28227 - USA
T (877) 626-6776 or (704) 954-8290

1.5. Emergency phone number

Emergency number	:	CHEMTREC (800) 424-9300

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation, Category 2	Causes skin irritation.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US)	:	Warning
Hazard statements (GHS US)	:	Causes skin irritation
Precautionary statements (GHS US)	:	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Wash hands, forearms and face thoroughly after handling. Wear protective gloves If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

Not applicable

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Butene, homopolymer	CAS-No.: 9003-29-6	5 – 10
Oleylamine	CAS-No.: 112-90-3	0.1 – 0.5
Phosphoric acid, bis(2-ethylhexyl) ester	CAS-No.: 298-07-7	0.1 – 0,5
Phosphoric acid, mono(2-ethylhexyl) ester	CAS-No.: 1070-03-7	0.1 – 0,5

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.

Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. fog. Foam. Use dry chemical or CO2.

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapors. Oxides of nitrogen. Phosphorus oxides. boron. Oxides of sulfur. hydrogen sulphide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For non-emergency personnel

No additional information available

For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place.

Storage temprature : Max 40°C / 104°F

Specific end uses : Not available.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection:
Safety glasses or goggles are recommended when using product.
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:
Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	No data available
Color	:	Golden to dark amber
Odor	:	Moderate sulfurous
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	151 °C/303.8°F
Flash point	:	98 °C (estimated value)/ 208.4°F
Flammability (solid, gas)	:	Not flammable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	No data available
Particle characteristics	:	No data available

Butene, homopolymer (9003-29-6)	
Boiling point	109.8 °C (at 1013 hPa)
Flash point	< 10 °C Remarks on result: 'other:'
Vapor pressure	3000 Pa Temp.: 20 °C

Oleylamine (112-90-3)	
Boiling point	> 300 °C

Oleylamine (112-90-3)	
Flash point	100 °C (closed cup)
Vapor pressure	1 hPa (at 20 °C)

Phosphoric acid, bis(2-ethylhexyl) ester (298-07-7)	
Boiling point	155 °C (at 0.0200 hPa)
Flash point	181 °C (closed cup)
Vapor pressure	0.000024 Pa Temp.: 25 °C

Phosphoric acid, mono(2-ethylhexyl) ester (1070-03-7)	
Flash point	77 °C (closed cup)
Vapor pressure	0.000000064 mm Hg Temp.: 20 °C

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Strong oxdizing agents. Strong reducing agents.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Nitrogen dioxide. Oxides of phosphorus. boron. Oxides of sulfur. hydrogen sulphide

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Butene, homopolymer (9003-29-6)	
LD50 oral rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))

Butene, homopolymer (9003-29-6)	
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
LC50 inhalation rat	> 19171 mg/m³ (Exposure time: 4 h Source: ECHA_API)

Oleylamine (112-90-3)	
LD50 oral rat	1689 mg/kg (Source: EPA_HPV)

Phosphoric acid, bis(2-ethylhexyl) ester (298-07-7)	
LD50 oral rat	1400 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 2000 mg/kg (Source: CHEMVIEW)

Phosphoric acid, mono(2-ethylhexyl) ester (1070-03-7)	
LD50 oral rat	3450 mg/kg (Source: NLM_CIP)
LD50 dermal rabbit	> 4650 mg/kg (Source: EPA_HPV)

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Phosphoric acid, bis(2-ethylhexyl) ester (298-07-7)	
NOAEL (animal/male, F0/P)	150 mg/kg body weight Animal: rat, Animal sex: male
NOAEL (animal/female, F0/P)	> 750 mg/kg body weight Animal: rat, Animal sex: female

STOT-single exposure : Not classified

Oleylamine (112-90-3)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Butene, homopolymer (9003-29-6)	
LOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: other:
NOAEC (inhalation,rat,vapor,90 days)	1 mg/l air Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Oleylamine (112-90-3)	
STOT-repeated exposure	May cause damage to organs (gastro-intestinal tract, liver, immune system) through prolonged or repeated exposure.

Phosphoric acid, bis(2-ethylhexyl) ester (298-07-7)	
LOAEL (oral,rat,90 days)	30 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified

Nano Synthetic Gear Oil	
Viscosity, kinematic	No data available

Butene, homopolymer (9003-29-6)	
Viscosity, kinematic	No data available

Oleylamine (112-90-3)	
Viscosity, kinematic	No data available

Phosphoric acid, bis(2-ethylhexyl) ester (298-07-7)	
Viscosity, kinematic	42.041 mm²/s

Phosphoric acid, mono(2-ethylhexyl) ester (1070-03-7)	
Viscosity, kinematic	No data available

Symptoms/effects after inhalation : May cause irritation to the respiratory tract.
Symptoms/effects after skin contact : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

Butene, homopolymer (9003-29-6)	
LC50 - Fish [1]	> 1.55 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	> 19.2 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Phosphoric acid, bis(2-ethylhexyl) ester (298-07-7)	
LC50 - Fish [1]	20 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
LC50 - Fish [2]	20 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC chronic fish	20.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '48 d'

12.2. Persistence and degradability

Nano Synthetic Gear Oil	
Persistence and degradability	Not established.

Butene, homopolymer (9003-29-6)	
Persistence and degradability	Rapidly degradable

Oleylamine (112-90-3)	
Persistence and degradability	Rapidly degradable

Phosphoric acid, bis(2-ethylhexyl) ester (298-07-7)	
Persistence and degradability	Rapidly degradable

Phosphoric acid, mono(2-ethylhexyl) ester (1070-03-7)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Nano Synthetic Gear Oil	
Bioaccumulative potential	Not established.

Butene, homopolymer (9003-29-6)	
Partition coefficient n-octanol/water	7.6 – 7.8 (at 20 °C (at pH 7)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

Other information : No other effects known.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14 Transport information

In accordance with DOT

14.1. UN number

UN-No.(DOT) : Not applicable

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

Not applicable

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

No additional information available

15.3. State regulations

WARNING: This product can expose you to Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2024

Revision date : 3/5/2025

Issue date : 3/5/2025

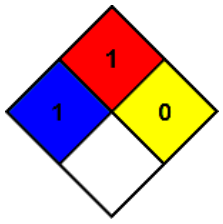
Other information : None.

Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Safety Data Sheet (SDS), USA

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.