



SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: NIT1122, NIT1123, NIT1126
Product Name: Nitro 75w-90 Gear Oil (Full Synthetic GL-5 Gear Oil)
Revision Date: 25-Oct-21 **Supersedes Date:** 19-May-14
Version: 2
Distributor's Name: NitroLubricants, USA
Address: PO Box 204
Forest Lake, MN 55025
Emergency Phone: 800-535-5053
Information Phone: 855-587-7515
Product Recommended Use: Gear Oil, Lubricant

SECTION 2: HAZARDS IDENTIFICATION

Classification:

OSHA Regulatory Status: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Inhalation (gases) - Category 4

Skin Sensitization - Category 1

Pictograms:



Signal Word:

Warning

Hazard Statements:

H332 - Harmful if inhaled

H317 - May cause an allergic skin reaction.

Precautionary Statements - Prevention:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

P272 - Contaminated work clothing should not be allowed out of workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Responsive:

P302 + P350 - IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON Center or doctor/physician if you feel unwell.

Precautionary Statements - Disposal:

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified (HNOC)

Other Information:

May be harmful in contact with skin

Harmful to aquatic life with long lasting effects

Harmful to aquatic life with long lasting effects

Unknown Aquatic Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Weight %	Trade Secret
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	56.83%	*
Residual Oils (Petroleum), solvent-dewaxed	64742-62-7	0% - 40%	*
Poly long-chain alkyl methacrylate	Proprietary	1.26% - 2.1%	*
Long-Chain alkyl amine	Proprietary	0.26% - 0.52%	*
Long-Chain alkenyl amine	Proprietary	0.05% - 0.26%	*
Alkyl Phosphonate	Proprietary	0.05% - 0.26%	*
Alkoxylated Long-Chain Alkanol Borate	Proprietary	0.12% - 0.24%	*
Long-Chain alkyl amine	Proprietary	0.04% - 0.18%	*
Long-Chain alkyl amine	Proprietary	0.02% - 0.12%	*
Alkyl dithio thiadazole	Proprietary	0.02% - 0.12%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

First Aid Measures

General:

No hazards which require special first aid measures.

Eye Contact:

Flush eyes for 30 minutes with water. Get medical attention if irritation persists.

Skin Contact:

Wash off immediately with soap and plenty of water.

Inhalation:

Move exposed persons to fresh air. Consult medical personnel if breathing issues occur.

Ingestion:

Do NOT induce vomiting. Consult a physician.

Most Important Symptoms and Effects, both Acute and Delayed:

Symptoms:

No information available

Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician:

Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Carbon dioxide (CO₂), dry chemical, foam. Water can be used to keep surrounding materials cool.

Small Fires:

Always use personal safety equipment. Follow appropriate personal safety procedures, and extinguishing media.

Large Fires:

Contact emergency personnel.

Unsuitable Extinguishing Media:

Caution: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Combustible Material.

Hazardous Combustion Products:

Carbon Monoxide, Carbon dioxide (CO₂)

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Protective equipment and Precautions for Firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Protection:

Avoid contact with the skin and the eyes. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. Wash skin with soap and water if contact occurs. Launder soiled clothing. If spilled, take caution, as material can cause surfaces to become very slippery.

For Emergency Responders:

Clean up area with absorbent material and place in closed containers for disposal. Ventilate the area.

Environmental Precautions:

See Section 12 for additional Ecological Information.

Methods for Containment:

Cover with earth, sand or other non-combustible material followed with plastic sheets to minimize spreading or contact with rain.

Methods for Cleaning Up:

Excess liquid material can be collected using a scoop or shovel and stored for recycling or disposal. Prevent material from entering drains or waterways.

SECTION 7: HANDLING AND STORAGE

Advice on Safe Handling:

Avoid contact with skin, eyes and clothing. Eye protection or face shield should be used if material is used under conditions that increase the chances of splattering. If contact is made, wash skin with soap and water. Launder soiled clothing. Maximum handling temperature is 70 degrees C (158 F). It is recommended to pump or transfer material at ambient temperature.

Storage Conditions:

Keep away from heat and sources of ignition. Keep containers closed when not in use. Follow first aid measures if contact occurs, and spill procedures if spill occurs. For packaged material: Store in a cool dry area. For bulk material: Store in a cool dry area. Always follow local, state, and federal guidelines for storage of material for amount stored.

Incompatible Products:

Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Control Parameters

Exposure Guidelines:

This product does not contain any hazardous material with occupational exposure limits established by the region specific regulatory bodies.

Appropriate Engineering Controls:

Showers, eyewash stations, ventilation systems.

Individual Protection Measures, such as Personal Protective Equipment Eye/Face Protection:

If splashes are likely to occur, wear: Goggles, eye/face protection

Skin and Body Protection:

Long sleeved clothing. Protective gloves can be worn, if material comes in contact with skin, wash with soap and water.

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn, Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations:

Remove and wash contaminated clothing before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Viscous liquid
Appearance	Amber colored liquid
Color	Amber
Odor	Mild petroleum odor, Mild sulfur odor
Odor Threshold	No information available

Property

Values

Remarks/Method

pH	No information available	
Melting Point/Freezing Point	No information available	
Boiling Point/Range	No information available	
Flash Point	> 93.3°C / 200°F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air	No information available	
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	0.87	
Water Solubility	No information available	
Solubility in other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature		
Decomposition Temperature	No information available	
Kinematic Viscosity	110-120@40C mm ² /s	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

Other Information

Softening Point	No information available	
VOC Content	No information available	
Density	No information available	
Bulk Density	No information available	

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No data available

Chemical Stability:

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization:

Hazardous polymerization does not occur.

Conditions to Avoid:

Excessive heat, high energy sources of ignition.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

None known based in information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information:**

No data available.

Inhalation:

Inhalation of vapors in high concentration may cause irritation of respiratory system.

Eye Contact:

Avoid contact with eyes. May cause irritation.

Skin Contact:

May cause eye/skin irritation. Repeated exposure may cause skin dryness or cracking.

Ingestion:

Do NOT taste or swallow.

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Residual Oils (petroleum) solvent-dewaxed	64742-62-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4h
Long-chain alkyl amine	-	612 mg/kg (Rat)	251 mg/kg (Rat)	157 ppm (Rat) 4h
Long-chain alkenyl amine	-	1689 mg/kg (Rat)	-	-
Alkyl Phosphonate	-	3200 mg/kg (Rat)	1990 mg/kg (Rabbit)	-
Long-chain alkyl amine	-	612 mg/kg (Rat)	251 mg/kg (Rat)	-
Long-chain alkyl amine	-	612 mg/kg (Rat)	251 mg/kg (Rat)	157 ppm (Rat) 4h

Information on Toxicological Effects**Symptoms:**

No information available.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**Sensitization:**

May cause sensitization by skin contact.

Germ Cell Mutagenicity:

No information available.

Carcinogenicity:

Mineral oils are known to cause cancer because of carcinogenic components (e.g. benzene). The mineral oil in this product is highly refined and should not be considered a carcinogen. Used lubricating oil may contain hazardous components which have the potential to cause skin cancer. Continuous long-term contact with used lubricating oils has caused skin cancer in animal tests.

Chemical Name	CAS #	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	Group 1	-	X
Residual Oils (petroleum), solvent-dewaxed	64742-62-7	-	Group 1	-	X

Reproductive Toxicity:

No information available.

Specific Target Organ Toxicity - Single Exposure:

No information available.

Specific Target Organ Toxicity - Repeated Exposure:

No information available.

Aspiration Hazard:

No information available.

Numerical Measures of Toxicity - Product Information

Unknown Aquatic Toxicity:

0% of the mixture consists of ingredient(s) of unknown toxicity.

The Following Values are Calculated Based on Chapter 3.1 of the GHS Document

ATEmix (oral)	5287 mg/kg
ATEmix (dermal)	2983 mg/kg
ATEmix (inhalation-gas)	17018 ppm

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.

3.28% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic	6742-54-7	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Residual Oils (petroleum), solvent-dewaxed	6742-62-7	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50

Persistence and Degradability:

No information available.

Bioaccumulation:

No information available.

Other Adverse Effects:

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Water Disposal Method:

Disposal should be in accordance with applicable regional, national and local laws and regulation.

Contaminated Packaging:

Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT Information:

Not regulated.

IATA Information:

Petroleum lubricating oil: not regulated as dangerous goods for transport under ICAO TI or IATA DGR.

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA Does not comply

DSL/NDSL Does not comply

EINECS/ELINCS Does not comply

ENCS Does not comply

IECSC Does not comply

KECL Does not comply

PICCS Does not comply

AICS Does not comply

Legend:

TSCA United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS Japan Existing and New Chemical Substances

IECSC China Inventory of Existing Chemical Substances

KECL Korean Existing and Evaluated Chemical Substances

PICCS Philippines Inventory of Chemical and Chemical Substances

AICS Australian Inventory of Chemical Substances

US Federal Regulations

SARA313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure Hazard No

Reactive Hazard No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 Chemicals: 2-Propenoic Acid, Ethyl Ester

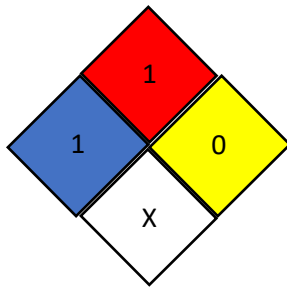
US State Right-to-Know Regulations

US EPA Label Information

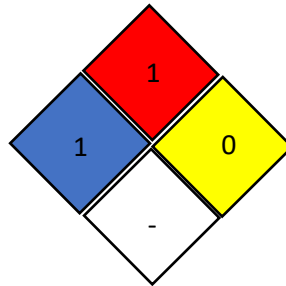
EPA Pesticide Registration Number: Not applicable

SECTION 16: OTHER INFORMATION

HMIS



NFPA



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