



SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: NIT1043, NIT1044
Product Name: Nitro 50w Racing Oil
Revision Date: 1-Oct-21 **Supersedes Date:** 17-Sep-17
Version: 3
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: Engine 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)
Serious Eye Damage/Eye irritation - Category 2A

Pictograms:



Signal Word:

Warning

Precautionary Statements - General:

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P103 - Read label before use

Precautionary Statements - Prevention:

P264 - Wash thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Responsive:

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.

Hazards not otherwise classified (HNOC)

Other Information

Unknown Aquatic Toxicity: 99.44% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Common Name

Hydrocarbon Lubricating Fluid

Chemical Family

Petroleum Hydrocarbon Mixture

<i>CAS #</i>	<i>Chemical Name</i>	<i>% by Weight</i>	<i>Trade Secret</i>
64742-54-7	Petroleum distillates, hydrotreated heavy	84.77%	*
84605-29-8	Phosphorodithioic acid, mixed O, O-bis (1,3-dimethylbutyl and iso-Pr) esters, zinc salts	0.65% - 1.29%	*
68649-42-3	Zinc dialkyl dithiophosphate	0.32% - 0.53%	*

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

SECTION 4: FIRST AID MEASURES

General Advice:

No hazards which require special first aid measures.

Inhalation:

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

Eye Contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately if irritation persists.

Skin Contact:

Remove contaminated shoes and clothing and cleanse affected area(s) thoroughly by washing with mild soap and water or a waterless hand cleaner. If irritation or redness develops and persists, seek medical attention.

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 material 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 in Case of Fire:

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 protective pressure self-contained breathing apparatus (SCBA) pressure-demand, MSHA/NIOSH (approved or equivalent) and full turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

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°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

Exposure Guidelines:

This product does not contain any hazardous materials 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 re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Viscous Liquid
Appearance	No Information Available
Color	Amber
Odor	Mild Petroleum Odor
Odor Threshold	No Information Available
Property	
pH	No information available
Melting Point/Freezing Point	No information available
Boiling Point/Range	No information available
Flash Point	> 93.3°C / > 200°F <i>Cleveland Open Cup (COC)</i>
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
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 - 0.90
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	150-175 @ 40°C 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 Reactions/Polymerization:

Will not occur.

Conditions to Avoid:

Excessive heat. High energy sources of ignition.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

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

Eye Contact Avoid contact with eyes. Severely irritating to eyes.

Skin Contact May be harmful in contact with skin. Repeated exposure may cause skin dryness or cracking.

Ingestion Do NOT taste or swallow. MAY BE HARMFUL IF SWALLOWED.

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	> 15 g/kg (Rat)	-	-
Phosphorodithioic acid, mixed O, O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	= 2000 mg/kg (Rat)	> 3200 mg/kg (Rabbit)	-

Information on Toxicological effects

Symptoms

No information available

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

Serious Eye Damage/Irritation:

Irritating to eyes.

Sensitization:

No information available

Germ Cell Mutagenicity:

No data available.

Carcinogenicity:

Mineral oils are known to cause cancer because of carcinogenic components (eg 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.

Reproductive Toxicity:

No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

Specific Target Organ Toxicity - Repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

Numerical measures of toxicity - Product Information

Unknown Aquatic Toxicity:

99.44% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on Chapter 3.1 of the GHS document.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical Name	CAS #	Algae/Aquatic Plants	Fish	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	-	5000: 96 h Ocorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Phosphorodithioic acid, mixed O, O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	-	10-100: 96 h Pimephales promelas mg/L LC50 static 38: 96 h Pimephales promelas mg/L LC50 100: 96 h Pimephales promelas mg/L LC50 semi-static	0.1-1: 48 h Daphnia magna mg/L EC50
Zinc dialkyl dithiophosphate	68649-42-3	-	1.0-5.0: 96 h Pimephales promelas mg/L LC50 Static 10.0-35.0: 96 h Pimephales promelas mg/L LC50 semi-static	1-1.5: 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

Waste Disposal Method:

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

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 Chemicals and Chemical Substances

AICS Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subjected 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 does not contain any Proposition 65 chemicals

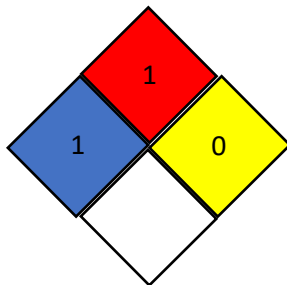
US State Right-to-Know Regulations	CAS #	New Jersey	Massachusetts	Pennsylvania
Phosphorodithioic acid, mixed O, O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts	84605-29-8	X	-	X
Zinc dialkyl dithiophosphate	68649-42-3	X	-	X

US EPA Label Information

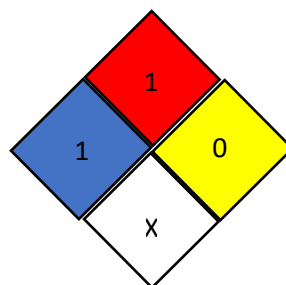
EPA Pesticide Registration # Not applicable.

SECTION 16: OTHER INFORMATION

HMIS



NFPA



DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.