



# SAFETY DATA SHEET

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## SECTION 1: CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

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**Product ID:** NIT1045, NIT1046  
**Product Name:** Nitro Synthetic Blend 20w-50 1500 ppm Zinc  
**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

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## SECTION 2: HAZARDS IDENTIFICATION

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### 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.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**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.

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**SECTION 4: FIRST AID MEASURES**

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**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.

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**Suitable Extinguishing Media:**Carbon dioxide (CO<sub>2</sub>), 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 (CO<sub>2</sub>).

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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### 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.

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## SECTION 7: HANDLING AND STORAGE

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### 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.

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## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

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### 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### Physical and Chemical Properties

Physical State	Viscous Liquid
Appearance	No Information Available
Color	Amber
Odor	Mild Petroleum Odor
Odor Threshold	No Information Available
<b>Property</b>	
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 <sup>2</sup> /s
Dynamic Viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available
<b>Other Information</b>	
Softening point	No information available
VOC Content	No information available
Density	No information available
Bulk Density	No information available

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## SECTION 10: STABILITY AND REACTIVITY

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### 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.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### 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.

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## SECTION 12: ECOLOGICAL INFORMATION

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#### Ecotoxicity:

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

0% 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	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.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**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.

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**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DOT Information:**

Not regulated.

**IATA Information:**

Petroleum Lubricating Oil; not regulated as dangerous goods for transport under ICAO TI or IATA DGR.

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**SECTION 15: REGULATORY INFORMATION**

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**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

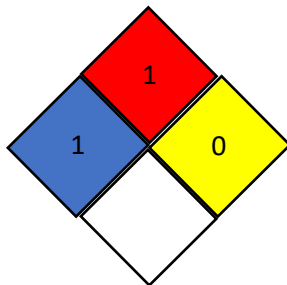
**EPA Pesticide Registration #** Not applicable.

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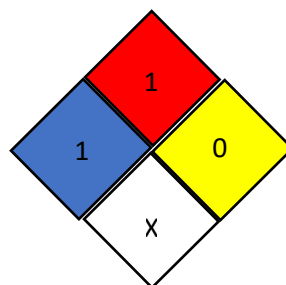
## SECTION 16: OTHER INFORMATION

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### HMIS



### NFPA



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