



SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: NIT1007, NIT1008, NIT1009, NIT1010, NIT1011
Product Name: Nitro Red Lithium Grease
Revision Date: 22-Oct-21 **Supersedes Date:** 6-Apr-15
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: Lubricating Grease

SECTION 2: HAZARDS IDENTIFICATION

Classification of substance or mixture:

This product is not considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200)

Pictograms:



Signal Word:

Warning

Hazardous Statements - Physical:

H312 - May be harmful in contact with skin

H320 - May cause eye irritation

Precautionary Statement - General:

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention:

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

Precautionary Statements - Responsive:

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P332 + P313 - IF SKIN IRRITATION OCCURS: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - IF EYE IRRITATION PERSISTS: Get medical advice/attention.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

Precautionary Statements - Storage:

Not applicable.

Precautionary Statements - Disposal:

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

This product contains no substances which at their given concentrations are to be considered hazardous to health and safety.

Additional Information:

This product is a Lithium Complex Grease blended with a mixture of mineral oil with additives. The formulation is considered a trade secret and specific chemical names and/or percentages of the components have not been disclosed.

SECTION 4: FIRST AID MEASURES

General Information:

Not expected to contain or cause any specific health or safety hazards when used in accordance with label.

Ingestion:

Seek medical attention if discomfort occurs. Do not induce vomiting.

Skin Contact:

Remove with soap and water. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing

Eye Contact:

Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist or if unconscious.

Notes to Physician:

No data.

SECTION 5: FIRE-FIGHTING MEASURES

Conditions of Flammability:

Heat, sparks, flame, red hot metal

Suitable Extinguishing Media:

Water, CO₂, dry chemical or universal aqueous film forming foam.

Unsuitable Extinguishing Media:

Not available.

Flash Point and Method of Determination:

455°F ASTM D92 (Cleveland Open Cup)

Flammable Limits:

Lower (LEL): No data

Upper (UEL): No data

Autoignition Temperature:

Not available.

Hazardous Combustion Products:

Oxides of Carbon (CO, CO₂), smoke, and vapors as products of incomplete combustion.

Explosion Data-Sensitivity to Mechanical Impact:

Not available.

Explosion Data-Sensitivity to Static Discharge:

Not available.

Special Firefighting Procedures:

Use water spray to cool fire exposed containers as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.

Special Fire and Explosion Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Notification Procedures:

Report spills/releases as required to appropriate authorities. Some regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks.

Procedures if Material is Released or Spilled:

For land spills, shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13. For water spills, confine the spill immediately with booms. Notify port and/or other relevant authorities. Remove from the surface by skimming or with suitable absorbents.

Environmental Precautions:

Prevent material from entering sewers, water sources or low lying areas advise the relevant authorities if it has, or if it contaminates soil or vegetation.

SECTION 7: HANDLING AND STORAGE

Handling:

No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection.

Storage:

Keep containers closed when not in use. Do not store in open or unlabeled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, or flame.

Empty Container Warning:

Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged, and promptly returned to drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limit Values:

When mists/aerosols can occur, the following are recommended: 5 mg/m³ (as oil mist) - ACGIH Threshold limit value (TLV), 10 mg/m³ (as oil mist) - Permissible Exposure Limit (PEL).

Lithium Hydroxide mono hydrate	AIHA WEEL	Ceiling	1.8 mg/m ³
Mineral Oil	ACGIH	TWA - vacated and TWA	5.0 mg/m ³
Zinc alkyl dithiophosphate	ACGIH	TWA	5.0 mg/m ³

Engineering and Exposure Controls:

General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest PEL rated ingredient from Section 2.

Respiratory Protection:

When mists are generated, and/or when ventilation is not adequate, wear a NIOSH approved respirator with an appropriate cartridge. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary within the United States.

Skin and Hand Protection:

For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

Eye Protection:

Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

Other Protective Equipment:

Safety showers and eye-wash stations should be available in the workplace.

Hygiene Measure:

Avoid breathing vapors and contact with the skin and eyes. Keep out the reach of children. Wash hands after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 455°F
Melting/Freezing Point	Not available
Specific Gravity (H ² O=1)	0.870 g/cc
Weight	7.8 lbs/gal
Vapor Pressure	< 1 mm Hg
pH	Not available
Vapor Density	Not available
Evaporation Rate	Not available
Physical State	Paste
Water Solubility	Insoluble
Percent Volatile	0% Wt (0% Vol) max
VOC Content	0.0 lbs/gal (0.0 g/L)
Percent VOC	0% Wt (0% Vol) max
HAP Content	0.0 lbs/gal (0.0 g/L)
Viscosity	> 460 SSU
MIR Value	0.0
Odor Threshold	Not available
Coeff. Of Water/Oil Dist.	Not available
Appearance	Red Semi-Solid
Odor	Slight Petroleum

SECTION 10: STABILITY AND REACTIVITY

Stability:

Stable.

Conditions of Instability:

Not available.

Hazard Polymerization:

Not expected to occur

Material Incompatibility

Strong oxidizers

Conditions of Reactivity:

Extreme heat and high energy sources of ignition.

Decomposition Products

At elevated temperatures oxides of carbon can be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Carcinogenicity:

The petroleum base oil contained in this product has been highly refined by a variety process including hydrotreating and dewaxing to remove aromatics and improve performance characteristics. None of these oils used are listed as a carcinogen by NTP, IARC or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Ingredient	Fish LC50	Daphnia EC50	Algae LC50	Bacterial EC50
Base Oil	> 10 g/L, 96h	Not available	Not available	Not available

Mobility:

When released into the environment, absorption to sediment and soil will be the predominate behavior.

Persistence:

Not available.

Degradability:

This product is expected to be inherently biodegradable.

Bioaccumulation:

Unlikely due to the very low water solubility of the product.

Other Ecologic Data:

Do not allow to enter waters, waste water or soil

Effect on Ozone Layer:

This product does not contain any ozone depleting ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Management Information:

Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state and/or local regulations.

SECTION 14: TRANSPORT INFORMATION

Non-Regulated Material: All Modes

NMFC Description (United States)

Item Description: Compounds, Lubricating

Item Number: NIT1007, NIT1008, NIT1009, NIT1010, NIT1011

Class: 55-65

SECTION 15: REGULATORY INFORMATION

United States-Federal:

Ingredient	CAS#	TSCA	RCRA	CERCLA	SARA313	SARA311/312
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United States-States

Ingredient	CA	DE	FL	MA	PA	MN	NJ	NY	WA
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Canada:

Ingredient	A	B	D1B	D2B	E	DSL	NDSL	NPRI	CWC
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WHMIS Classification:

Not Regulated.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) and the SDS contains all the information required by the CPR.

European Union:

Ingredient EINECS SYMBOL RISK PHRASES SAFETY PHRASES

SARA313 Toxic Release Inventory:

This material may contain chemical(s) regulated under SARA. For specific questions, contact customer service.

RoHS Compliance:

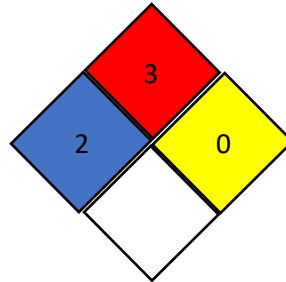
This product is RoHS compliant according to the definitions and restrictions given by The European Parliament (Directive 2002/95/EC) and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

SECTION 16: OTHER INFORMATION

HMIS

NFPA 704

Health	1
Flammability	0
Instability	0
Specific	0



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.