



# SAFETY DATA SHEET

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

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**Product ID:** NIT1015, NIT1016  
**Product Name:** Nitro High-Performance 2-Stroke Semi-Synthetic  
**Revision Date:** 28-Sep-21 **Supersedes Date:** 28-Feb-15  
**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:** 2 cycle engines

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## SECTION 2: HAZARDS IDENTIFICATION

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### OSHA/HCS Status:

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS co

### Classification:

Not Classified.

### Pictograms:

NA

### Signal Word:

No signal word.

### Hazard Statement:

No known significant effects or critical hazards.

### 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:

Not applicable.

### Precautionary Statements - Responsive:

Not applicable.

### Precautionary Statements - Disposal:

Not applicable.

### Hazards not otherwise classified (HNOC)

None known.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### Substance/Mixture:

Mixture

### Other means of identification:

Not available.

<i>CAS #</i>	<i>Ingredient Name</i>	<i>% by Weight</i>
64742-47-8	Distillates (petroleum), hydrotreated light	10% - 30%
9003-29-6	Butane, homopolymer	1% - 5%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

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## SECTION 4: FIRST AID MEASURES

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### Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

### Eye Contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

### Skin Contact:

Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

### Ingestion:

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms and effects, both acute and delayed

#### Potential acute health effects:

**Inhalation:** No known significant effects or critical hazards.

**Eye Contact:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

#### Over-Exposure signs/symptoms:

**Inhalation:** No known significant effects or critical hazards.

**Eye Contact:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

#### Indication of immediate medical attention and special treatment needed, if necessary:

#### Notes to Physician:

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

#### Specific Treatments:

No specific treatment.

#### Protection of first-aiders:

No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

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## SECTION 5: FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media:

In case of fire, use foam, dry chemical or carbon dioxide.

### Unsuitable Extinguishing Media:

Do not use high volume water jet as an extinguisher, as it may scatter and spread fire.

### Specific Hazards arising from the Chemical:

No specific fire or explosion hazard.

### Hazardous Thermal Decomposition Products:

Carbon oxides

## Special Protective Actions for Firefighters:

No special measures are required.

## Special Protective Equipment for Firefighters

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### Personal Precautions, Protective Equipment and Emergency Procedures

#### For Non-Emergency Personnel:

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

#### For Emergency Responders:

Use proper leak containment procedures. Avoid breathing vapors, mist, or dust. Do not get inside the container if leaking. Wear appropriate protective equipment. See also the information in "for non-emergency personnel".

#### Environmental Precautions:

if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

#### Small Spill:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Large Spill:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in a container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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## SECTION 7: HANDLING AND STORAGE

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### Precautions for safe handling

#### Protective Measures:

Put on appropriate personal protective equipment (see Section 8).

#### Advice on General Occupational Hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

#### Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Control Parameters

#### Occupational Exposure Limits

<i>Ingredient Name</i>	<i>Exposure Limit</i>
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Distillates (Petroleum), hydrotreated light	<b>OSHA PEL (United States)</b> TWA: 213 ppm TWA: 1200 mg/m <sup>3</sup> ACGIH TLV (United States, 4/2014). Absorbed through the skin.
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**Appropriate Engineering Controls:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental Exposure Controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

**Individual Protection Measures****Hygiene Measures:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/Face Protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid

**Skin Protection****Hand Protection:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical p

**Body Protection:**

Personal protective equipment for the body should be selected based on the task of being performed and the risks involved and should be approved by a specialist before handling this product.

**Other Skin Protections:**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory Protection:**

Use a properly fitted, air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. 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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


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**Physical and Chemical Properties****Appearance**

Physical State	Liquid
Color	Blue
Odor	Petroleum
Odor Threshold	Not Available
<b>Property</b>	
pH	Not Available
Melting Point	Not Available
Boiling Point	Not Available
Flash Point	Closed cup: 93 to 110°C (199.4 to 230°F)
Evaporation Rate	Not Available
Flammability (solid, gas)	Not Available
Lower and Upper Explosive (Flammable) Limits	Not Available
Vapor Pressure	Not Available
Vapor Density	Not Available
Relative Density	0.87 to 0.88
Solubility	Not Available
Partition coefficient: n-octanol/water	Not Available
Autoignition Temperature	Not Available
Decomposition Temperature	Not Available

Viscosity	Kinematic (110°C (212°F)): 0.075 to 0.082 cm <sup>2</sup> /s (7.5 to 8.2 cSt) Kinematic (40°C (104°F)): 0.411 to 0.503 cm <sup>2</sup> /s (41.1 to 50.3 cSt)
Volatility	Not Available
VOC Content (%)	29.5 % (w/w)

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## SECTION 10: STABILITY AND REACTIVITY

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### Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

### Chemical Stability:

The product is stable

### Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to avoid

No specific data.

### Incompatible materials:

Reactive or incompatible with the following materials: oxidizing materials.

### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### Information on toxicological effects

#### Acute Toxicity:

There is no data available.

#### Irritation/Corrosion:

There is no data available.

#### Sensitization:

There is no data available.

#### Carcinogenicity:

There is no data available.

#### Specific Target Organ Toxicity (Single Exposure):

There is no data available.

#### Specific Target Organ Toxicity (Repeated Exposure):

There is no data available.

#### Aspiration Hazard:

<i>Ingredient Name</i>	<i>Result</i>
Distillates (Petroleum), hydrotreated light	Aspiration Hazard - Category 1
Butene, homopolymer	Aspiration Hazard - Category 1

#### Information on the likely Routes of Exposure:

Dermal contact, Ingestion.

#### Potential Acute Health Effects:

**Eye Contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

#### Symptoms related to the Physical, Chemical and Toxicological Characteristics

**Eye Contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

**Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure**

**Short Term Exposure**

**Potential Immediate Effects:** No known significant effects or critical hazards.

**Potential Delayed Effects:** No known significant effects or critical hazards.

**Long Term Exposure**

**Potential Immediate Effects:** No known significant effects or critical hazards.

**Potential Delayed Effects:** No known significant effects or critical hazards.

**Potential Chronic Health Effects**

**General:** No known significant effects or critical hazards.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental Effects:** No known significant effects or critical hazards.

**Fertility Effects:** No known significant effects or critical hazards.

**Numerical Measures of Toxicity**

**Acute Toxicity Estimates:** There is no data available.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Toxicity**

<i>Product/Ingredient Name</i>	<i>Result</i>	<i>Species</i>	<i>Exposure</i>
Distillates (petroleum), hydrotreated light	Acute LC50 220 µg/L Fresh Water	Fish - Lepomis Macrochirus	4 days

**Persistence and Degradability**

No information available

**Bioaccumulative Potential**

<i>Product/Ingredient Name</i>	<i>LogP<sub>ow</sub></i>	<i>BCF</i>	<i>Potential</i>
Butane, homopolymer	7.6 to 7.8	314 to 1882	high

**Mobility in Soil**

**Soil/water partition Coefficient (K<sub>oc</sub>)**

Not available

**Other Adverse Effects:**

No known significant effects or critical hazards.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**Disposal Methods**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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**SECTION 14: TRANSPORT INFORMATION**

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	<b>DOT Classification</b>	<b>IMDG</b>	<b>IATA</b>
UN Number	Not regulated	Not regulated	Not regulated

UN Proper Shipping Name	-	-	-
Transport Hazard Classes	-	-	-
Packing Group	-	-	-
Environmental Hazards	No	No	No
Additional Information	-	-	-

AERG: Not Applicable

### Special Precautions for User:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transport

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not available.

## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations:

**TSCA 4(a)** - 2-Butenedioic acid (E)-, di-C8-18-alkyl esters

**TSCA 8(a) PAIR** - Butenedioic acid (E)-, di-C8-18-alkyl esters; Naphthalene

**TSCA 8(a) CDR Exempt/Partial Exemption** - Not determined

**TSCA 12(b) one-time export** - 2-Butenedioic acid (E)-, di-C8-18-alkyl esters

**United States Inventory (TSCA 8b)** - All components are listed or exempted

**Clean Water Act (CWA) 307** - Naphthalene

**Clean Water Act (CWA) 311** - Naphthalene

### Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)

Not listed

### Clean Air Act Section 602 Class I Substances

Not listed

### Clean Air Act Section 602 Class II Substances

Not listed

### DEA List I Chemicals (Precursor Chemicals)

Not listed

### DEA List II Chemicals (Essential Chemicals)

Not listed

### SARA 302/204

### Composition/Information on Ingredients

No products were found

### SARA 304 RQ

### SARA 311/312

### Classification

Not applicable

### Composition/Information on Ingredients

Name	%	Fire Hazard	Sudden release of Pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (Petroleum), hydrotreated light	10% - 30%	Yes	No	No	No	No
Butene, homopolymer	1% - 5%	No	No	No	Yes	No

### State Regulation

**Massachusetts** The following components are listed: Distillates (petroleum), solvent-refined light paraffinic

**New York** None of the components are listed

The following components are listed: Distillates (petroleum), solvent-dewaxed heavy paraffinic; residual oils (petroleum), solvent-refined; Distillates (petroleum), solvent-refined heavy paraffinic; Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), solvent-refined light

**New Jersey** paraffinic; Residual oils (petroleum), solvent-dewaxed

Pennsylvania None of the components are listed

**California Prop 65**

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient Name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Naphthalene	Yes	No	Yes	No

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**SECTION 16: OTHER INFORMATION**

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**Key to Abbreviations:**

ATE - Acute Toxicity Estimate

BCF - Bioconcentration Factor

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

IATA - International Air Transport Association

IBC - Intermediate Bulk Container

IMDG - International Maritime Dangerous Goods

LogPow - Logarithm of the octanol/water partition coefficient

MARPOL73/78 - International Convention for the prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 ("Marpol" = Marine Pollution)

UN - United Nations

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ntains valuable information critical to the safe handling and proper use of the product. This SDS Should be retained and available for emp





l exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment















indicates a higher degree of protection: safety glasses with side-shields.