

Safety Data Sheet

NEXUS GREEN

Revision Date: 1 April 2023

Version 2023.1.1

Section 1: IDENTIFICATION OF THE SUBSTANCE

Product Identifier

Product Name: Nexus Green Multi-Use Lubricating and Penetrating Solution

Other Means of Identification: NG CLP, Nexus Green, SKU: NG-FL-CLP

CAS #: 325180

Synonyms/SKU's: SKU: NG-FL-CLP, NG-0104-CLP-SMPL, NG-0111-CLP, NG-01-3L, NG-01-3L, NG-012-1G, NG-01-5G, NG-01-55G, NG-01-TOTE, NG-01-ISO_Tank, Mixture, Solution

Recommended uses: General Purpose and Food Grade Bio-based Lubricating and Penetrating solution.

USDA Certified Bio-Preferred

NSF Registered H1 (Reg # 157052) and is acceptable as a lubricant with incidental food contact (H1) for use in and around food processing areas.

Manufacturer & Supplier:

Safe Harbour Products, Inc
366 Ely Avenue, Unit 3
Norwalk, CT 06854
Phone: (203) 295-8377
Nxsgreen.com

Emergency Phone Number: (203) 803-4463

Section 2: HAZARDS IDENTIFICATION

Gas under pressure: Compressed Gas

Note: This product is a consumer product and is labeled in accordance with the U.S. Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Label Elements:



Caution: Contains gas under pressure; may explode if heated

Prevention: Pressurized container. Do not pierce or burn, even after use.

Storage: Do not expose to temperatures exceeding 60°C / 160°F.

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Disposal: Dispose of contents and container in accordance with local and national regulations.

HAZARD NOT OTHERWISE CLASSIFIED (HNOC): None as defined under 29 CFR 1900.1200.

PHYSICAL / CHEMICAL HAZARDS:

No Significant Hazards

HEALTH HAZARDS

This material has no known hazards when used as directed.

ENVIRONMENTAL HAZARDS

No significant hazards.

NOTE: This material should not be used for any other purpose than the intended use in Section 1 without expert advice. Health studies have shown that chemical exposure may cause potential human health risks which may vary from person to person.

SECTION 3: COMPOSITION INFORMATION

Ingredient	CAS #	Weight by %	US Hazcon 2012 GHS Classification
Agri-Products	N/A	65 - 85%	No Signal word / No known Hazards
White Mineral Oil	8042-47-5	10 - 20%	No Signal word / No known Hazards
Alkylated Naphthalene		3 - 5%	No Reportable Hazardous Substance(s) or Complex Substance(s).
Isoparaffinic Hydrocarbon	64742-47-8	0 - 5%	No Reportable Hazardous Substance(s) or Complex Substance(s).
Methyl Soyate	67784-313-4	0 - 5%	Classification (29CFR1910.1200 Appendix A) : None. / GHS: None

No Hazardous Substance(s) or Complex Substance(s) required for disclosure. As per paragraph 29 CFR 1910.1200(i), formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may be withheld.

Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i) When necessary.

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SECTION 4: FIRST AID

Eye Contact: Flush with water.
Skin Contact: Wash skin with soap and water.
Inhalation: In event of a reaction, call physician.
Ingestion: Do not induce vomiting. Call physician.

Most important symptoms and effects, both acute and delayed:

Symptoms: No information available.

Indication of any immediate attention and specific treatment needed:

Note to Physician: Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or alcohol foam. Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Use water spray to cool fire exposed surfaces and to protect personnel.

Hazardous Combustion Products: Incomplete combustion products, Smoke, Fume, Oxides of carbon.

Specific hazards arising from the chemical: In the event of fire, cool tanks and protect personnel with water spray.

Flash Point (ASTM D92) 187°C / 369°F

Fire Point: (ASTM D92) 283°C / 541°F

Explosion data:

Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None

Special protective equipment for firefighters:

Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency measures

Personal Precautions: Use personal protective equipment as necessary.

Environmental Precautions:

Environmental precautions: Prevent product from entering water table. Do not contaminate surface water. Check on local, national and international regulatory information to determine any reporting requirements for spills.

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Methods and materials for containment and clean up

Methods for containment: Prevent further leakage or spillage if safe to do so, confine spill immediately.

Methods for cleaning up: Absorb spill with inert material (e.g. dry sand or earth), or skimming surface with suitable absorbent, then transfer non-combustible material in approved containers.

Dawn dish soap or similar may be used for cleanup.

SECTION 7: HANDLING AND STORAGE:

Precautions for Safe Use:

Handle in accordance with good industrial hygiene and safety practice. Keep containers closed when not in use. Wash thoroughly after handling with soap and water. No special storage precautions required.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed and store within recommended usable temperature range (-24°C to 58°C). Empty containers may retain product. Follow all SDS / Label warnings after container is emptied. No special storage precautions necessary.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Individual protection measures such as personal protective equipment

Respiratory protection	No Personal Respiratory equipment required.
Hand Protection	Nitrile rubber gloves may be used
Eye Protection	Safety glasses may be worn
Skin & Body Protection	Impervious clothing may be used
General Hygiene Considerations	Wash with soap & water after contact

Typical information on Basic physical and Chemical Properties

Specific Gravity (20°C):	0.8908
Flash Point (ASTM D92):	187°C / 369°F
Fire Point (ASTM D92)	283°C / 541°F
Kinematic viscosity (20°C):	121.8 cST
Pour Point:	-24°C
Explosive properties:	Material does not have explosive properties
Oxidizing properties:	Not Determined
Volatile Organic Compound (VOC):	None
Physical State	Liquid

Typical information on Basic physical and Chemical Properties (cont.)

Appearance	Oily
Odor	N/A
Color	Pale yellowish
Odor threshold	Not Determined
Melting: point/freezing point:	Not Determined

Chemical Stability

Boiling point /boiling range:	Not Determined
Flammability (solid, gas):	Not Determined
Flammability Limit in Air	Not Determined

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Percent Volatile:	N/A
Boiling Point:	Not Determined
Vapor Density (Air = 1):	Not Determined
Vapor pressure:	Not Determined
Solubility in Water:	Insoluble
Upper flammability limit:	Not Determined
Lower flammability limit:	Not Determined
Partition coefficient:	Not Determined
Autoignition temperature:	Not Determined
Decomposition temperature:	Not Determined

Other information

The above data are typical values and do not constitute a specification.

SECTION 10: Stability and Reactivity:

<u>Reactivity:</u>	Not Applicable
<u>Chemical Stability:</u>	Stabile under normal conditions
<u>Possible hazardous Reaction:</u>	
Possibility of Hazardous Reactions:	None under normal circumstances
Hazardous Polymerizations:	Hazardous polymerization does not occur
<u>Conditions to avoid:</u>	Do Not puncture or incinerate containers
<u>Hazardous Decomposition:</u>	None under normal processing
<u>Incompatible Materials:</u>	Oxidizing agents

SECTION 11: TOXICOLOGY INFORMATION

Eye Contact:	Product does not present an acute toxicity hazard based on known or supplied information. Contact with eyes may cause irritation. May cause mild, short-lasting discomfort to eyes based on assessment of the components
Skin Contact:	Acute Toxicity: Minimally Toxic, based on assessment of the components. Substance does not generally irritate and is only mildly irritating to the skin with prolonged exposure.
Inhalation	Acute Toxicity: Minimally Toxic, based on assessment of the components. Irritation: Negligible hazard at ambient/normal handling temperatures.
Ingestion:	Acute Toxicity: Minimally Toxic, based on assessment of the components and structurally similar materials
Aspiration:	Not expected to be an aspiration hazard, based on physical and chemical properties of the material.
Respiratory Sensitivity:	Not expected to be a respiratory sensitizer, based on assessment of the components and structurally similar materials
Carcinogenicity:	Not expected to cause cancer, based on assessment of components and Structurally similar materials. This product does not contain any carcinogens or potential carcinogens as listed OSHA, IARC or CA Prop 65.
Reproductive Toxicity:	Not expected to be a reproductive toxicant, based on assessment of the components.

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Lactation: Not expected to cause harm to breast-fed children.
Specific Target Organ Toxicity (STOT): Single Exposure: Not expected to cause organ damage from a single exposure.
Repeated Exposure: Not expected to cause organ damage from prolonged or repeated exposure

OTHER INFORMATION

Product Information: Product does not present an acute toxicity hazard based on known or supplied information. Not expected to cause significant health effects under conditions of normal use, based on laboratory studies with the same or similar materials. Not mutagenic or genotoxic.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic/Ecotoxicity: Based on previous studies, (OECD 201,202, and 203) LC50/EC50 >3,000 ppm (3000 mg/L).

Ecotoxicity: No known hazards to the aquatic environment

Biodegradation: Not yet established; most components readily biodegradable

Bioaccumulation: No potential to bioconcentrate based on ingredients.

Soil Mobility: No data available

Persistence and degradability: Not yet Established

Water Mobility: The product is insoluble and floats on water.

SECTION 13: DISPOSAL INFORMATION

Waste Treatment Methods

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

Contaminated Packaging: Do not reuse packaging

SECTION 14: TRANSPORTATION

United States	
Air	IATA Not Regulated
Land (DOT/TDG)	UN 1950, Aerosols, 2.2 (Non-Flammable) Limited Quantity, Each package must be marked with the Limited Quantity Mark.
Packaging Group	Packing Group III
Transportation Hazard Class	Aerosol 2.2 (Non-flammable)
UN Number	UN 1950, Aerosols, 2.2 (Non-flammable)
ICAO	UN 1950, Aerosols, 2.2 LTD QTY

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SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA: Listed in TSCA

TSCA: United States Toxic Substances Control Act Section 8(b) Inventory
All ingredients in this product are listed or exempt from listing on the TSCA
Chemical inventory.

Global Chemical Inventories:

USA All components of this material are on the US TSCA Inventory or are exempt.
EU All components are in compliance with the EC Directive 92/132/EEC (As amended April 1992).
Japan All components are in compliance with the Chemical Substances Control Law of Japan.
Australia All components are in compliance with chemical notification requirements in Australia.
Canada All components are in compliance with the Canadian Environmental Protection
Act and are Canadian DSL/NDSL.

Proposition 65: This product does not require a California Proposition 65 warning.

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 subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Federal Regulations (cont.)

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

CWA (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.

State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any known chemical substance on the SARA Extremely Hazardous Substances list.

U.S. EPA Label Information

EP A Pesticide Registration Number Not applicable

SECTION 16: OTHER INFORMATION

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Read and follow all label directions and precautions before using the product.

NFPA:

Health: 0
Flammability: 0
Instability 0

HMIS health rating:

Health: 0
Flammability: 0
Physical hazards 0
Personal protection A

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists;
CARB = California Air Resource Board,
CASRN = Chemical Abstracts Service Registry Number;
CEILING = Ceiling Limit (15 minutes);
CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act;
EPA = Environmental Protection Agency;
GHS = Globally Harmonized System;
IARC = International Agency for Research on Cancer;

Guide to Abbreviations (cont.)

INSHT = National Institute for Health and Safety at Work;
IOPC = International Oil Pollution Compensation;
LEL = Lower Explosive Limit;
NE = Not Established;
NFPA = National Fire Protection Association;
NTP = National Toxicology Program;
OSHA = Occupational Safety and Health Administration;
PEL = Permissible Exposure Limit (OSHA);
SARA = Superfund Amendments and Reauthorization Act;
STEL = Short Term Exposure Limit (15 minutes);
TLV = Threshold Limit Value (ACGIH);
TWA = Time Weighted Average (8 hours);
UEL= Upper Explosive Limit;
WHMIS = Worker Hazardous Materials Information System (Canada)

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