



SAFETY DATA SHEET

Issue Date 06/07/2024

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Version 1

1. IDENTIFICATION

Product identifier

Product Name: Pure Guard CleanGreen

Other means of identification

Product code: F-813

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended Use: Cleaning agent.

Restricted on use: Restricted to professional users.

Details of the supplier of the safety data sheet

Supplier Address

FRONTIER PERFORMANCE LUBRICANTS INC

PO BOX 1777

LODI, CA 95241

Phone: (800)-807-4496

Fax: (209)-334-6408

Emergency telephone number

Emergency Telephone: PERS (800)-633-8253

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

Not a hazardous substance or mixture OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Other Hazards

None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Substance / Mixture: Mixture

Chemical nature: Cleaning agent, Aqueous solution, Surface active agents

Components	CAS-No	Weight %	Trade Secret
Alcohols, C9-11, ethoxylated	68439-46-3	5-10	*
SODIUM CARBONATE	497-19-8	1-5	*

Actual concentration is withheld as a trade secret

4. FIRST AID MEASURES

If inhaled: Remove person to fresh air. If signs/symptoms continue, get medical attention.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact: Remove contaminated clothing. If irritation develops, get medical attention.
In case of contact, immediately flush skin with plenty of water.

In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.
If eye irritation persists, consult a specialist.

If swallowed: Move the victim to fresh air.
Do NOT induce vomiting.
Rinse mouth with water.

Most important symptoms and effects, both acute and delayed:
No information available.
None known.

Notes to physician: No information available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Hazardous combustion products: Carbon oxides Nitrogen oxides (NOx) Metal oxides

Further information: Standard procedure for chemical fires.

Special protective equipment for firefighters:
In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.
Exposure to decomposition products may be a hazard to health.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes. Use personal protective equipment.

Environmental precautions

Environmental precautions: Do not flush into surface water.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece).

7. HANDLING AND STORAGE

Precautions for safe handling

Handling: For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Wash hands and face before breaks and immediately after handling the product.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Store in original container.
Keep container closed when not in use.
Keep in a cool place away from acids.
Keep in a dry, cool and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store in accordance with the particular national regulations. Keep in properly labelled containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Engineering measures: Contains no substances with occupational exposure limit values.
none

Personal protective equipment

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type: Type A Hand protection

Material: Nitrile rubber

Break through time: > 10 min

Protective index: Class 1

Remarks: For prolonged or repeated contact use protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

Eye protection: Safety glasses with side-shields

Protective measures: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures: Wash face, hands and any exposed skin thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Aqueous solution **Odor:** Mild

Color: Yellow

Odor threshold: NA

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point/freezing point	<= 0 °C / 32 °F	
Flash point	No information available	Cleveland Open Cup
Flammability (solid, gas)	No information available	
Upper flammability limit:	No information available	
Vapor pressure	23 hPa	
Specific Gravity	> 1.0	
Solubility in other solvents	No information available	
Autoignition temperature	No information available	
Kinematic viscosity	No information available	
Explosive properties		No information available
Oxidizing properties		No information available

pH 11

Boiling point / boiling range No information available

Evaporation rate No information available

Flammability

Limit in Air

Lower flammability limit: No information available

Vapor density No information available

Water solubility Completely soluble

Partition coefficient No information available

Decomposition temperature No information available

Dynamic viscosity No information available

Other information

Softening point No information available

Molecular weight No information available

VOC Content (%) No information available

Density No information available

Bulk density No information available

10. STABILITY AND REACTIVITY

Reactivity

Not applicable

Chemical stability

Stability: Stable under normal conditions

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions: Exothermic reaction with acids.

Conditions to avoid

Conditions to avoid: No special storage conditions required

Hazardous Decomposition Products

Hazardous Decomposition Products: None reasonably foreseeable

Incompatible materials

Incompatible materials: Acids

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method

Acute inhalation toxicity: Remarks: This information is not available.
Acute dermal toxicity : Remarks: This information is not available.

Components:

Alcohols, C9-11, ethoxylated:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity: LD50 (Rabbit): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

SODIUM CARBONATE:

Acute oral toxicity: LD50 (Rat): 4,090 mg/kg
Skin corrosion/irritation

Product:

Remarks: This information is not available.

Components:

Alcohols, C9-11, ethoxylated:
Species: Rabbit
Assessment: No skin irritation
Result: No skin irritation

SODIUM CARBONATE:

Species: Rabbit
Assessment: No skin irritation
Result: No skin irritation

Serious eye damage/eye irritation

Product:

Remarks: This information is not available.

Components:

Alcohols, C9-11, ethoxylated:
Species: Rabbit
Result: Mild eye irritation
Method: OECD Test Guideline 405

SODIUM CARBONATE:

Species: Rabbit
Result: Irritating to eyes.
Assessment: Irritating to eyes.

Respiratory or skin sensitisation Product:

Remarks: This information is not available.

Components:

Alcohols, C9-11, ethoxylated:
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.
Result: Did not cause sensitisation on laboratory animals.

SODIUM CARBONATE:

Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity**Product:**

Genotoxicity in vitro:

Remarks: No data available

Genotoxicity in vivo :

Remarks: No data available

Carcinogenicity**Product:**

Remarks:

No data available

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity Product:

Effects on fertility:

Remarks: No data available

Effects on fetal development:

Remarks: No data available

Components:

SODIUM CARBONATE:

Reproductive toxicity – Assessment

- Fertility :

No toxicity to reproduction

STOT - single exposure

Components:

SODIUM CARBONATE:

Assessment:

The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure Components:

SODIUM CARBONATE:

Assessment:

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity Product:

Remarks:

This information is not available.

Aspiration toxicity**Product:**

This information is not available.

Further information Product:

Remarks:

Information given is based on data on the components and the toxicology of similar products.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Product:

Toxicity to fish:

Remarks: No data available

Toxicity to daphnia and other:

aquatic invertebrates

Remarks: No data available

Toxicity to algae/aquatic plants:

Remarks: No data available

Toxicity to microorganisms: Remarks: No data available

Toxicity to fish: LC50 (Lepomis macrochirus (Bluegill sunfish)): 300 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:
EC50 (Daphnia magna (Water flea)): 199.82 mg/l Exposure time: 48 h

Persistence and degradability**Product:**

Biodegradability: Remarks: No data available

Physico-chemical removability: Remarks: No data available

Components:

Alcohols, C9-11, ethoxylated:

Biodegradability: Result: rapidly biodegradable Biodegradation: 88 % Exposure time: 28 d

SODIUM CARBONATE:

Biodegradability: Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

Bioaccumulative potential**Product:**

Bioaccumulation: Remarks: This mixture contains no substance considered to be persistent, Bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Components:

SODIUM CARBONATE:

Partition coefficient: n- octanol/water: Remarks: Not applicable

Mobility in soil**Product:**

Components:

SODIUM CARBONATE:

Mobility: Remarks: No data available

Distribution among environmental compartments:
Remarks: No data available

Other adverse effects**Product:**

Ozone-Depletion Potential: Regulation: 40 CFR Protection of Environment; Part 82
Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No information on ecology is available.

Components:

SODIUM CARBONATE:

Results of PBT and vPvB assessment: Non-classified PBT substance Non-classified vPvB substance

13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues:	The product should not be allowed to enter drains, water courses or the soil.
Contaminated packaging:	Packaging that is not properly emptied must be disposed of as the unused product. Dispose of waste product or used containers according to local regulations.

14. TRANSPORT INFORMATION**International Regulations**

UNRTDG	Not regulated as a dangerous good
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations

49 CFR Not regulated as a dangerous good

Special precautions for user Not applicable

15. REGULATORY INFORMATION

CERCLA Reportable Quantity This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity
This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards: No SARA Hazards

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.
This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know
Pennsylvania Right To Know
No components are subject to the Massachusetts Right to Know Act.
water 7732-18-5
Alcohols, C9-11, ethoxylated 68439-46-3

Maine Chemicals of High Concern	Product does not contain any listed chemicals
Vermont Chemicals of High Concern	Product does not contain any listed chemicals
Washington Chemicals of High Concern	Product does not contain any listed chemicals

TSCA list	No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.
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16. OTHER INFORMATION

Nfpa

Health: 1

Flammability: 0

Instability: 0

NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *

HMIS health rating

Health: 1

Flammability: 0

Physical hazards: 0

Personal protection: B

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Revision Note

Not applicable

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet