



SAFETY DATA SHEET

PURITY: FG SPRAY

Version: 01/NZ 10112035

Revision: 02.

Printing Date: 10th November 2025

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY/UNDERTAKING

1.1 Product Identifier

Global Product Name: PURITY: FG SPRAY

Product Identification Number: PFMUB12, PFMU

1.2 Relevant Identified Uses and Uses Advised Against

Identified Uses: Purity FG Spray is an advanced multipurpose food grade lubricant in an aerosol can. NSF H1 Registered.

All components comply with FDA 21 CFR 178.3570 "Lubricants with Incidental Food Contact". It is intended for application on industrial and food equipment. It should not be added directly to the food product.

1.3 New Zealand Supplier Details

Company: Euromarc Industries Limited
Address 203 Glover Road
Hawera 4610
New Zealand
Telephone: +0800 278600

Manufacturer Details

Petro-Canada Lubricants Inc
2310 Lakeshore Road West
Mississauga ON L5J 1K2
Canada
1-905-403-6785

1.4 Emergency Contact Details

Telephone: 0800-278600 (Mon to Friday – 7 am to 5 pm)

Fire and Emergency: Dial 111

National Poisons Centre: 0800 764766 (0800 Poison) 24-hour freephone

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance/Mixture

Mixture:

Classification as per NZ EPA Guide to classifying hazardous substances - New Zealand (GHS7)

Classification: Hazardous

Hazard Class and Hazard Category	Category
Aerosols	Category 1

2.2 Label Elements

2.2.1 According to the New Zealand EPA “Hazardous Substances (Labelling) Notice 2017”

Symbol:



GHS: 02 Flammable

Signal Word: Danger

Hazard Statements:

Hazard Statement Code	Hazard Statement
H220	Aerosol - Flammable

Precautionary, Response and Disposal Statements:

Category	Precautionary Statements	
General	P210	Keep away from heat, hot surface, sparks, open flames and other ignition sources. - No smoking.
General	P211	Do not spray on an open flame or other ignition source.
General	P251	Do not pierce or burn, even after use.
Storage	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixture: PURITY: FG SPRAY

Chemical Name	CAS No.	Concentration (% w/w)
White mineral oil (petroleum)	8042-47-5	60-70
Propane	74-98-6	10-20
Isobutane	75-28.5	5-10
O,O,O-triphenyl phosphorothioate	597-82-0	0.1 - 1
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	0.1 - 0.25

All other ingredients are noted as non-hazardous and will not affect the classification

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove the victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in the recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Do not leave the affected person unattended.

Inhalation:

Remove person to fresh air.

Artificial respiration and/or oxygen may be necessary

Get medical attention.

Skin Contact:

Wash with plenty of soap and water for at least 15 minutes.

If you feel unwell, get medical attention.

Eye Contact:

Flush with large amounts of water.

Remove contact lenses if easy to do and continue rinsing.

Get medical attention.

Ingestion:

Rinse mouth. If you feel unwell.

DO NOT induce vomiting unless directed to do so by a physician or poison control centre.

Never give anything by mouth to an unconscious person.
Seek medical advice.

Most important symptoms and effects, both acute and delayed

No critical symptoms or effects.

First aider needs to protect himself

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Utilise a powder fire extinguisher or carbon dioxide. (minimum rating 30B)

Dry chemical, Carbon dioxide (CO₂), Alcohol-resistant foam, Water spray or Water fog

Unsuitable extinguishing media:

Do NOT use water jet.

5.2 Special Hazards Associated with the Substance or Mixture

If the product release cannot be shut off safely, allow the product to burn itself out.

Cool closed containers exposed to fire with water spray.

Hazardous Decomposition or By-Products

Carbon oxides (CO, CO₂), nitrogen oxides (NO_x), sulphur oxides (SO_x), phosphorus oxides (PO_x), carbonyl halides, smoke and irritating vapours as products of incomplete combustion.

5.3 Special Protective Equipment and Precautions for Fire-Fighters

Prevent fire extinguishing water from contaminating surface water or the groundwater system.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

- Use personal protective equipment.
- Ensure adequate ventilation.
- Evacuate personnel to safe areas.
- Material can create slippery conditions.
- Mark the contaminated area with signs and prevent access to unauthorised personnel.
- Only qualified personnel equipped with suitable protective equipment may intervene.

6.2 Environmental Precautions

No specific information is available. (Cover drains where possible)

6.3 Methods and Materials for Containment and Cleanup

- Prevent further leakage or spillage if safe to do so.
- Remove all sources of ignition.
- Soak up with inert absorbent material.
- Non-sparking tools should be used.
- Ensure adequate ventilation.
- Contact the proper local authorities.

6.4 Special protective equipment for firefighters

- Wear self-contained breathing apparatus and full protective wear.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

For personal protection see section 8.

- Smoking, eating and drinking should be prohibited in the application area.
- Use only with adequate ventilation.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- Avoid contact with skin, eyes and clothing.
- Do not ingest.
- Keep away from heat and sources of ignition.
- Keep the container closed when not in use.

7.2 Fire prevention measures:

- Keep away from sources of heat (e.g., hot surfaces), sparks, and open flames.

7.3 Conditions for Safe Storage, Including Incompatibilities

- Store in original container.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Keep in a dry, cool and well-ventilated place.
- Keep in properly labelled containers.
- To maintain product quality, do not store in heat or direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Occupational Exposure Limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration Basis
White mineral oil (petroleum)	8042-47-5	TWA (Mist)	5 mg/m ³ CA AB OEL
		STEL (Mist)	10 mg/m ³ CA AB OEL
		TWAEV (Mist - Inhalable dust)	5 mg/m ³ CA QC OEL
		TWA (Mist)	1 mg/m ³ CA BC OEL
		TWA (Inhalable particulate matter)	5 mg/m ³ ACGIH
Propane	74-98-6	TWA	1,000 ppm CA AB OEL
		TWAEV	1,000 ppm / 1,800 mg/m ³ CA QC OEL
Isobutane	75-28-5	TWA	1,000 ppm CA AB OEL
		STEL	1,000 ppm CA BC OEL
		STEL	1,000 ppm ACGIH

New Zealand WES : New Zealand Workplace Exposure Standards.

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/m³: milligrams per cubic metre

CEIL: Ceiling

8.2 Exposure Controls / Engineering controls

Adequate ventilation to ensure that Occupational Exposure Limits are not exceeded.

Use explosion-proof ventilation equipment.

8.3 Personal Protective Equipment

Eye and Face Protection:

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety goggles or a full face shield

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

Respiratory Protection:

An exposure assessment may be needed to decide if a respirator is required in some circumstances. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece supplied-air respirator.

For questions about suitability for a specific application, consult with your respirator manufacturer.

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 – Respiratory protective devices. (organic vapour filter)

Skin Protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Property	Value	Additional Details
Physical State	Aerosol containing a liquefied gas	
Colour	Purity FG Lubricant is clear and bright.	
Odour	Mild petroleum oil like.	
Odour Threshold	No data available	
pH	Not applicable	
Pour point	-12 °C (10 °F) Purity FG Lubricant	
Boiling Point / Initial Boiling Point / Boiling Range	Not applicable	
Flash Point	-156 °C (-249 °F)	Propellant:
Evaporation Rate	No data available	
Flammability (solid, gas, liquid)	Extremely flammable aerosol. Remarks: Propellant is a flammable gas., Extremely flammable in presence of open flames, sparks, and heat. Vapours are heavier than air and may travel considerable distance to sources of ignition and flash back.	
Upper Flammable Limits (UEL)	9.5 %(V)	Propellant
Lower Flammability Limits (LEL)	1.8 %(V)	Propellant

Property	Value	Additional Details
Vapor Pressure	No data available	
Vapor Density / Relative Vapor Density	No data available	
Relative Density	0.862 kg/l (15 °C) Purity FG Lubricant:	
Water Solubility	insoluble	
Partition Coefficient: n-octanol/water	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Viscosity / Kinematic Viscosity	150 cSt (40 °C) Purity FG Lubricant: 19.8 cSt (100 °C) Purity FG Lubricant:	
Explosive properties	Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Container explosion may occur under fire conditions or when heated. Ruptured cylinders may rocket.	
Particle size	No data available	

10. STABILITY AND REACTIVITY

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical Stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of Hazardous Reactions

Hazardous polymerisation will not occur.

10.4 Conditions to Avoid

Heat.

Sparks and/or flames.

10.5 Incompatible Materials

Avoid contact with strong acids and oxidisers

10.6 Hazardous Decomposition Products

May release CO_x, NO_x, SO_x, methacrylate monomers, formaldehyde, smoke and irritating vapours when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Routes of Exposure - Signs and Symptoms of Exposure

Inhalation

Simple asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal. Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

Skin contact

Contact with the skin during product use is not expected to result in significant irritation.

Eye contact

Avoid contact with the eyes

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Additional Health Effects:

None known:

Components

Components	Type of Toxicity	Value
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil — unspecified	Acute oral toxicity	LD50 (Rat): > 5,000 mg/kg
	Acute dermal toxicity	LD50 (Rabbit): > 2,000 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Acute oral toxicity	LD50 (Rat): > 5,000 mg/kg
	Acute dermal toxicity	LD50 (Rat): > 2,000 mg/kg

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity	Not classified due to lack of data.
Skin Corrosion/ Irritation	Not classified due to lack of data.
Serious Eye Damage/Irritation	Classified as serious eye damage
Skin Sensitisation	Not classified due to lack of data.
Photosensitisation	Not classified due to lack of data.
Respiratory Sensitisation	Not classified due to lack of data.
Germ Cell Mutagenicity	Not classified due to lack of data.
Carcinogenicity	Classified as carcinogenic
Reproductive Toxicity	Possible reproductive and/or Developmental Effects
STOT – single exp)	Not classified due to lack of data.
STOT - repeated exposure	Not classified due to lack of data.
Aspiration Hazard	Not classified due to lack of data.

12. ECOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1 Toxicity

No product test data available.

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

12.2 Persistence and Degradability

Biodegradability : Remarks: No data available

12.3 Bioaccumulative Potential

Bioaccumulative potential : Remarks: No data available

12.4 Mobility in Soil

Mobility in soil : Remarks: No data available

12.5 Other adverse effects

:No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Instructions

Dispose in accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

Dispose of waste product in a permitted industrial waste facility.

Dispose of product residue in accordance with the instructions of the person responsible for waste disposal

14. TRANSPORT INFORMATION

Description	Details: (Road Transport) SNZ HB NZS5433:2021
UN Number	UN1950
Proper Shipping Name	Aerosols
Dangerous Goods Class	2
Packing Group	Not applicable
Marine Pollutant	Not applicable
Hazchem Code	Not regulated
Excepted Quantities (EQ)	EO
Limited Quantities	1 litre water capacity

Description	Details: (Road Transport) SNZ HB NZS5433:2021
Special Provisions	63, 190, 277, 344, 327

Please be advised that complete adherence to the NZS5433:2021 standard is mandatory, including all necessary documentation for dangerous goods, as well as proper packaging, labelling, and marking when transporting this product by land.

Description	Details: (Sea Transport) IMDG Code – Vol 2
UN Number	UN1950
Proper Shipping Name	Aerosols
Dangerous Goods Class	2
Packing Group	Not applicable
Marine Pollutant	Not applicable
EmS	F-D S-U
Excepted Quantities (EQ)	Not applicable
Limited Quantities	1.0 litre water capacity
Special Provisions	63, 190, 277, 327, 344, 381, 959

Please be advised that complete adherence to the International Marine Dangerous Goods Code is mandatory, including all necessary documentation for dangerous goods, as well as proper packaging, labelling, and marking when transporting this product by Sea.

Description	Details: (Air Transport) IATA
UN Number	UN1950
Proper Shipping Name	Aerosols, flammable
Dangerous Goods Class	2.1
Packing Group	Not applicable
Marine Pollutant	Not applicable
Excepted Quantities (EQ)	EO
ERG code	10L

Description	Details: (Air Transport) IATA
Limited Quantities	1.0 litre water capacity – Y203
Special Provisions	A45, A67, A802

Please be advised that complete adherence to the International Air Transport Regulations is mandatory, including all necessary documentation for dangerous goods, as well as proper packaging, labelling, and marking when transporting this product by Air.

15. REGULATORY INFORMATION

HSNO Approval Code / Group Standard:

HSNO Approval number: HSR002515 Aerosols (Flammable) Group Standard 2020
EPA - New Zealand Inventory of Chemicals: All ingredients are listed and approved.

Label Elements

According to New Zealand EPA's "Hazardous Substances (Labelling) Notice 2017.

Other regulations:

Controls in accordance with The Health and Safety at Work Act 2015, Health and Safety at Work (Hazardous Substances) Regulations 2017 and the HSNO Act 1996, Hazardous Substances (Hazardous Property Controls) Notice 2017

Health and Safety at Work (Hazardous Substances) Regulations 2015

Key Controls:

Compliance Category	HSWA Control / Requirement
Location Compliance Certification	3000 litres aggregate water capacity
Certified Handler Qualifications	Not applicable
Regulation 4.5 Training	Triggered
Fire Extinguishers	2 x 30 B-rated fire extinguishers
Hazardous Area Atmosphere Zoning	Applicable to over 3000 litres aggregate water capacity
Hazchem Signage	3000 litres aggregate water capacity
Chemical Inventory	Triggered (any quantity)
Emergency Management	3000 litres aggregate water capacity
Tracking	Not applicable
Securing from unauthorised access	3000 litres aggregate water capacity

Disclaimer:

All controls must be fully adhered to per the Health and Safety at Work Act (Hazardous Substances) Regulations. (HSWA) Compliance is essential to ensure the health and safety of all individuals in the workplace.

16. OTHER INFORMATION

Date of Preparation or Last Revision: 10th November 2025 (To meet NZ EPA Standards)

Prepared by: Environmental Resources Limited

Abbreviations and Acronyms:

Abbreviation	Meaning
Approval #	The HSNO (Hazardous Substances and New Organisms) approval number is a unique identifier assigned to hazardous substances that have been assessed and approved for use under the HSNO Act in New Zealand
CAS	Chemical Abstracts Service (division of the American Chemical Society)
EPA	Environmental Protection Authority of New Zealand
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS7)
HSNO	Hazardous Substances and New Organisms Act 1996
LC50	Lethal Concentration, 50 percent
LD50	Lethal Dose, 50 percent
IARC	International Agency for Research on Cancer
STEL	Short-Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

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Source information: SDS # 000003010624 Rev: 4.0 Dated 27/06/2025

Recommended review date: 10th November 2030.

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