Safety Data Sheet

4 IN 1

Section 1. Product and Company Identification

Product name: **4 IN 1**

Recommended Uses: Lubricant

Company Information: GP Chemicals Specialty Ltd. 65 Beckett Avenue, Holland Landing, ON L9N 1R8

Telephone: (905)731-3622

Website: www.gpchemicals.ca

Emergency Telephone Number: 1-888-CAN-UTEC (226-8832)

Section 2. Hazards Identification

Physical hazards:	Flammable aerosols	Category 1
Health hazards:	Sensitization, skin	Category 1
	Reproductive toxicity (fertility)	Category 2
	Aspiration hazard	Category 1

Label Elements

Signal Word: Danger

Hazard Statement: Extremely flammable aerosol. May be fatal if swallowed and enters airways. May cause allergic skin reaction. Suspected of damaging fertility.

Precautionary Statement

Prevention: Obtain special instructions before use. Do not handle until safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks , open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing gas. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If SWALLOWED: Immediately seek medical assistance. Do NOT induce vomiting. If on SKIN: Wash with plenty of water. IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50˚C/122˚F.

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

Other Hazards: None known

Section 3. Composition/Information on Ingredients

Mixtures:

Chemical name	CAS number	%
White Mineral Oil	8042-47-5	48.5
Distillates, Petroleum, Hydrotreated Middle	64742-46-7	36.452
Methyl Silicone	556-67-2	3.042
Carbon Dioxide	124-38-9	3
Sulfonic Acids, Petroleum Calcium Salts	61789-86-4	0.485
Other components below reportable levels		8.5219

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Section 4. First Aid Measures

Eye Contact: Rinse with water. Get medical attention if symptoms develop or persist.

Skin Contact: In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Ingestion: Rinse with water. Get medical attention is irritation develops or persists.

Inhalation: Remove to fresh air. Call a physician if symptoms develop or persist.

Most Important Symptoms/Effects, Acute and Delayed

Aspiration may cause pulmonary edema and pneumonitis. May cause an allergic skin reaction. Dermatitis. Rash.

Indication of/Immediate Medical Attention and Special Treatment needed, if necessary:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General Information: If exposed or concerned: get medical advice/attention. If you feel unwell, seek medical advice. Ensure that medical personnel are aware of the materials involved, and take precautions to protect themselves. Show data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media: Foam, dry chemical powder. Carbon Dioxide (CO2)

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards arising from the chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Hazardous Combustion Products: Decomposition products may include carbon oxides.

Fire-Fighter Special Protective Equipment: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire Fighter Special Precautions: In case of fire: Stop leak is safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapour pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If possible. If not, withdraw and let fire burn out.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In event of fire and/or explosion do not breathe fumes.

General fire hazards: Extremely flammable aerosol

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas

(sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

Methods and Materials for Containment and Cleaning Up

Refer to attached safety sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustible (wood, paper, oil etc.) away from spilled material. For waste disposal see section 13 of the SDS.

Environmental Precautions

Do not allow contact with soil, surface or ground water.

Section 7. Handling and Storage

Precautions for Safe Handling

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not use is spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks or other sources of ignition. Ground or bond containers when transferring material. Close valve after each use and when empty. Protect cylinders from physical damage, do not drag, roll, slide or drop. When moving cylinders, even for short distances use a cart (trolley, hand truck, etc.) designed to transport cylinders. Suck back of water into the container must be prevented. Do not allow back feed into the container. Purge air from system before introducing gas. Use only properly specified equipment which is suitable for this product. Observe good industrial hygiene practices.

Conditions for Safe Storage:

Contents under pressure. Do not expose to heat or store in temperatures above 120˚F/49˚C as can may burst. Do not puncture, incinerate or crush. Do not handle near an open flame, heat or other sources of ignition. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Stored containers should be periodically checked for general condition and leakage. Store in well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits: Canada Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	**Type**	**Value**
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm

Biological limit values:	No biological exposure limits notes for the ingredients.
Appropriate engineering controls:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment:

Eye/face protection:	Wear safety glassed with side shields (or goggles).
Skin Protection:	Wear appropriate chemical resistant gloves.
Other:	Wear suitable protective clothing. Use of an impervious apron is recommended

Respiratory Protection:	If permissible levels are exceeded use NIOSH mechanical filter/organic vapour cartridge or an air-supplied respirator.
Thermal hazards:	Wear appropriated thermal protective clothing, when necessary.
General Hygienic Measures:	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9. Physical and Chemical Properties

Appearance:

Physical State:	Gas
Form:	Aerosol. Compressed Gas
Colour:	Not Available
Odour:	Not available
Odour Threshold:	Not available
pH:	Not available
Melting Point/Freezing Point:	Not available
Initial Boiling Point/Boiling Range:	Not available
Flash Point (Closed Cup):	300.9˚F (149.4˚C) estimated
Evaporation Rate:	Not available
Flammability (Solid, Gas):	Not available
Upper Explosive (Flammable) Limit:	4.4% estimated
Lower Explosive (Flammable) Limit:	0.5% estimated
Vapour Pressure:	60 – 80 psig@70 F estimated
Vapour Density (Air = 1):	Not available
Relative Density:	Not available
Solubility in Water (% w/w):	Not available
Partition Coefficient:	Not available
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available
Viscosity	Not available

Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

Section 10. Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Conditions to Avoid: Keep away from heat, sparks and open flame Contact with incompatible materials

Incompatible Materials: Strong oxidizing agents

Hazardous Decomposition Products: No hazardous decompositions products are known.

Section 11. Toxicological Information

Information on likely routes of exposure:

Inhalation: No adverse effects due to inhalation are expected.
Skin Contact: No adverse effects due to skin contact are expected.
Eye contact: Direct contact with eyes may cause temporary irritation.
Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause serious chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics:

Aspiration may cause pulmonary edema and pneumonitis. May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects.

Acute toxicity: May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

Components	**Species**	**Test Results**
Distillates, Petroleum, Hydrotreated Middle (CAS 64742-46-7)		
Acute		
Dermal		
LD50	Rabbit	>2000 mg/kg, 24 hours
Inhalation		
LC50	Rat	7640 mg/m3, 4 hours
Mist		
LC50	Rat	1.72 mg/l, 4 hours

Oral		
LD50	Rat	>5000 mg/kg

Methyl Silicone (CAS 556-67-2

Acute		
Dermal		
LD50	Rabbit	>2000 mg/kg, 24 hours
		>2.5 ml/kg
Inhalation		
Aerosol		
LC50	Rat	36 mg/l, 4 hours
Oral		
LD50	Mouse	1700 mg/kg
	Rat	>4800 mg/kg

Sulfonic Acids, Petroleum, Calcium Salts (CAS 61789-86-4)

Acute		
Dermal		
LD50	Rabbit	>4000 mg/kg, 24 hours
	Rat	>2000 mg/kg, 24 hours
Inhalation		
LC50	Rat	1.9 mg/l, 4 hours
Oral		
LD50	Rat	>5000 mg/kg

White Mineral Oil (CAS 8042-47-5)

Acute		
Dermal		
LD50	Rabbit	>2000 mg/kg, 24 hours
Inhalation		
LC50	Rat	2.18 mg/l, 4 hours
Oral		
LD50	Rat	>5000 mg/kg

- Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation

Serious eye damage/eye irritation: Direct contact with eye may cause temporary irritation.

Respiratory or Skin Sensitization:

Respiratory sensitization	Not a respiratory sensitizer
Skin sensitization	May cause an allergic skin reaction.

Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: Not available

Reproductive toxicity: Suspected of damaging fertility

Specific target organ toxicity (Single exposure): Not classified.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: May be fatal is swallowed and enters airways.

Section 12. Ecological Information

Eco toxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: No data available on the degradability of this product.

Bio accumulative potential mobility in soil: Not data available

Other adverse effects: No other adverse effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal Considerations

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Section 14. Transport Information

Land Transport (TDG)

UN Number:	1950
Class:	2.1 (Aerosol, Flammable)
Packing Group:	
Special Shipping Instructions:	Refer to Transportation of Dangerous Goods Regulations

Section 15. Regulatory Information

Canadian Regulations: Not regulated

Section 16. Other Information

Prepared By: Regulatory Affairs Telephone: (905)731-3622 Date: July 20, 2020

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