SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015

Date issued : 01/07/2019
SDS number : SPPV Panel Prep 510g_EN
Date revised : 05/17/2024
Revision number : 4

SPPV PANEL PREP, aerosol

1. Identification

Product identifier: SPPV PANEL PREP, aerosol
Product description: Surface Cleaner for Metal and Plastic, aerosol 510 g (1.12 lb) 18 oz
Relevant identified uses of the substance or mixture and uses advised against: Surface Cleaners, general purpose degreaser
Other means of identification - product Stock / Code: SPPV / 24048
Chemical family: Water-based degreaser
Molecular formula: Mixture

Manufacturer / Supplier

Dominion Sure Seal Ltd.
6175 Danville Road, Mississauga
Ontario, Canada L5T 2H7
Fax: 905-670-5174
www.dominionsureseal.com
Customer Service: 905-670-5411

Emergency telephone number

Telephone number to contact in the event of an emergency (9 am to 5 pm from M to F):
(905) 670-5411

2. Hazard identification

Classification of the substance or mixture

The classification and label elements stated below were prepared in accordance with the USA OSHA Hazard Communication Standard (29 CFR 1910.1200; Hazcom 2012) and the Canadian WHMIS regulations (Hazardous Products Regulations; WHMIS 2015). This information may be different from the actual product label information for labels that are regulated by other agencies.

Health hazards:

Eye Irritation, Category 2A
Skin Sensitization, Category 1

Physical hazards:

Aerosols, Category 2

Label elements

Hazardous components for labelling:
2-butoxyethanol, alkylamidopropyl trimethylammonium chloride, tetrasodium ethylenediaminetetraacetate and pine oils

Flame

Exclamation mark

Signal word: WARNING

Hazard statement(s)

H223: Flammable aerosol.
H229: Pressurized container: may burst if heated.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P251: Do not pierce or burn, even after use.
P261: Avoid breathing mist, vapours or spray.
P264: Wash hands thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves and eye protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.

Storage:

P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.

Disposal:

P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

Hazards not otherwise classified: No data available.

Emergency overview

Immediate concerns: Flammable aerosol. Causes serious eye irritation. Prolonged and repeated skin contact may lead to slight transient irritation in sensitive individuals. May cause sensitization by skin contact. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

Comments: See sections 9 and 10 for more detailed information on physicochemical effects.
See section 11 for more detailed information on health effects.
See sections 12 for more detailed information on environmental effects.

The actual container label may not include the above label elements. The labeling shown above applies to products used solely for industrial / professional use.
Consumer products should be labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations. Consumer product labeling takes precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
water (non-hazardous ingredient)	89.5 - 90	7732-18-5
isobutane	5 - 5.5	75-28-5
2-butoxyethanol	2 - 2.5	111-76-2
alkylamidopropyl trimethylammonium chloride	1.25 - 1.75	51277-96-4

tetrasodium ethylenediaminetetraacetate [edetate tetrasodium]	0.6 - 0.9	64-02-8
pine oils	0.25 - 0.75	8002-09-3

Comments: The actual concentration is withheld as a trade secret.
There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the product and hence require reporting in this section.

4. First-aid measures

Eye: In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

Ingestion: Rinse mouth with water. Give 1 to 2 glasses of water to drink. Get medical attention if symptoms occur.

Inhalation: If affected by inhalation of spray mist, move to fresh air. Get medical attention if symptoms persist.

Most important symptoms and effects, both acute and delayed

Eye: Moderately irritating to eyes. Symptoms may include tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Skin: Substance does not generally irritate and is only mildly irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Ingestion: Substance may be harmful if swallowed.

Inhalation: High vapor or spray mist concentrations may be harmful if inhaled. Spray mist may be irritating to eyes and respiratory tracts.

Indication of immediate medical attention and special treatment needed, if necessary: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Additional information: No data available.

5. Fire-fighting measures

General hazard: Flammable aerosol. Can readily form explosive mixtures at or above the flash point. Product can be ignited by static discharge.

Suitable extinguishing media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Hazardous combustion products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire fighting procedures: Containers can build up pressure if exposed to heat (fire).

Fire fighting equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Sensitivity to static discharge: Product is sensitive to static discharge.

Sensitivity to mechanical impact: Product is sensitive to mechanical impact. Do not puncture container. Contents under pressure. Do not expose to heat or store above 120°F (49°C).

6. Accidental release measures

Small spill: Eliminate all ignition sources. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly.

Environmental precautions

Water spill: Do not flush to sewer.

Land spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Special protective equipment: Clean up spills immediately, observing precautions in Protective Equipment section 8.

7. Handling and storage

General procedures: Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids. Ensure thorough ventilation of stores and work areas.

Precautions for safe handling: Contents under pressure. Do not expose to heat or store above 120°F (49°C). Use only in a well ventilated area. Do not use in the presence of open flame or spark. Do not puncture container. Do not breath vapors or spray mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

Conditions for safe storage: Keep away from heat and flame. Store in a cool dry place. Container may explode if heated. Do not incinerate.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
isobutane	**ACGIH TLV**	**STEL**	1000	--
	NIOSH REL	**TWA**	800	1900
2-butoxyethanol	**OSHA PEL**	**TWA**	50	240
	ACGIH TLV	**TWA**	20	97
	NIOSH REL	**TWA**	5	24
alkylamidopropyl trimethylammonium chloride	**USA OEL**	**-**	[1]	[1]
tetrasodium ethylenediaminetetraacetate [edetate tetrasodium]	**USA OEL**	**-**	[1]	[1]
pine oils	**USA OEL**	**-**	[1]	[1]

Footnotes:
1. This material does not have established exposure limits in the USA under OSHA, NIOSH, ACGIH.

Appropriate engineering controls: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye / face protection: Wear safety glasses with side shields (or goggles).

Skin: Chemical resistant gloves: nitrile rubber or neoprene.

Respiratory protection: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Skin protection - other: Not applicable for aerosol containers.

Occupational hygiene practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

9. Physical and chemical properties

Physical State: Liquid, without aerosol propellants

Odour: Mild pine

Odour threshold: No data available.

Appearance: Aerosol

Colour: Translucent

pH: 10.8 to 11.2 [aerosol concentrate]

% Volatiles: 97.5 - 98.0 % w/w

Flash point: > 60°C (140°C) Closed Cup [lowest known value of aerosol concentrate]

Explosion limit / flammability limit notes: No data available.

Auto-ignition temperature: No data available.

Vapour pressure: 40 - 60 psig at 20°C

Relative vapour density: > 1 (air = 1)

Initial boiling point and boiling range: 100°C (212°F) [an estimate based on the aerosol concentrate]

Freezing point: No data available.

Melting point: No data available.

Decomposition temperature: No data available.

Solubility: Miscible

Partition coefficient n-octanol/water (logarithmic value): No data available.

Evaporation rate (n-butyl acetate = 1): > 1

Density: 0.99-1.00 g/ml at 20°C

Notes: An estimate for the aerosol concentrate density

Particle characteristics: No data available.

Relative density: No data available.

Viscosity (kinematic or dynamic): 10 to 15 cps at 23°C (73°F) [aerosol concentrate]

VOC content: 7.5 - 8.0% w/w (< 80 g/l)

Flammability: Flammable aerosol

Comments:

Flammability Statement:

The flammability of an aerosol is determined by its flame extension and/or flashback.

Flammability:	No
Aerosol Flame Projection:	0 cm
Flashback:	None
Calculated Aerosol Chemical Heat of Combustion, kJ/g	4.0 to 4.5

VOC Compliance Statement

Total Volatiles:	97.5 to 98.0 % w/w
VOC Content, as supplied:	7.5 to 8.0 % w/w
	70 to 80 g/l (< 0.7 lb/gal)
Density:	0.955 ± 0.005 g/ml
Water Content:	89.5 to 90.0 % w/w
Exempt Content:	0 % w/w

VOC Regulation:	Consumer Product Regulations - CARB-California Certain Products Regulations - Canada
Product Category:	Multi-Purpose Solvent, aerosol
Restrictions from Sale:	No

The product VOC content meets the current 10% w/w limit for Multi-Purpose Solvent, aerosol.
Canada and CA (California) compliant.

VOC Regulation:	Consumer Product Regulations – USA Certain Products Regulations - Canada
Product Category:	General Purpose Degreaser, aerosol
Restrictions from Sale:	No

The product VOC content meets the current 10% w/w limit for General Purpose Degreaser, aerosol.
Compliant for sale in Canada and in CA, CO, CT, DE, MD, NH, NY, RI, UT - USA
Check your area (district) for compliance before using this product.

VOC Regulation:	Automotive Refinish Coatings – USA, California, Canada
Product Category:	Surface Cleaners
Restrictions from Sale:	Yes

The product VOC content exceeds the current 25 or 50 g/l limit for Surface Cleaners under the various USA Automotive Refinish Coatings Regulations.
The use of aerosol based surface cleaners may be prohibited in certain areas.
Check your area/application for compliance before using this product.

Aerosol-based surface cleaners are not regulated under Canadian Automotive Refinish Coating regulations.

10. Stability and reactivity

Reactivity: No

Dangerous polymerization: Not expected to occur.

Chemical stability: Stable.

Conditions to avoid: Keep away from flames and any object that sparks. Container may expode if heated.

Possibility of hazardous reactions: No data available.

Hazardous decomposition products: Carbon Monoxide and other toxic vapors.

Incompatible materials: Oxidizing materials.

11. Toxicological information

Acute Toxicity

Chemical name	LD_{50} (oral) mg/kg(rat)	LD_{50} (dermal) mg/kg(rabbit)	LC_{50} (inhalation) mg/l
isobutane	Not Applicable	Not Applicable	658(rat;4h) 570,000 ppm (rat;15m) 680(mouse;2h)
2-butoxyethanol	470(rat) 1200(mouse)	220 400	2.17(rat;4h)
alkylamidopropyl trimethylammonium chloride	> 2000	> 2000	No data available.
tetrasodium ethylenediaminetetraacetate [edetate tetrasodium]	3200(rat) 2700(rat) 1700(rat) 1780-2000(rat)	No data available.	1-5(rat;4h) [dust - no deaths]
pine oils	3200	No data available.	No data available.

Acute dermal toxicity LD_{50}: Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute oral toxicity LD_{50}: Based on available ingredient data, the classification criteria for Acute Oral Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute inhalation toxicity LC_{50}: Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture. The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists).

Notes: <5 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.
No additional toxicology information is available for this product itself.
(See Component Toxicity Information).
Information on likely routes of exposure:
Eye contact. Skin contact. Inhalation.

Skin corrosion / irritation: Based on available data, the classification criteria for skin irritation are not met for this mixture. Substance does not generally irritate and is only mildly irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Serious eye damage / irritation: Contains: alkylamidopropyl trimethylammonium chloride, 2-butoxyethanol and tetrasodium ethylenediaminetetraacetate . Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (meets ≥ 10% summation rule based on both ingredients classified as skin and/or eye category 1 and eye irritant, category 2). Symptoms may include pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Respiratory or skin sensitization: Contains: pine oils. May cause sensitization by skin contact. The mixture is classified as: Skin Sensitizer, category 1 based on ingredient data (≥ 0.1% ingredients classified as a skin sensitizer, category 1 or sub-category 1A or ≥ 1.0% ingredients classified as a skin sensitizer, sub-category 1B). Prolonged contact with this product can cause reddening, swelling, rash scaling or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with very small amount of the liquid material.
Based on available data, the classification criteria for respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a respiratory sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a respiratory sensitizer, sub-category 1B).

Germ cell mutagenicity: Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture (< 0.1% ingredients classified as Germ Cell Mutagen, category 1A or 1B and < 1.0% ingredients classified as Germ Cell Mutagen, category 2).

Carcinogenicity

Chemical name	NTP	IARC	OSHA	Status - other
isobutane	--	--	--	--
2-butoxyethanol	--	3	--	A3 (ACGIH)
alkylamidopropyl trimethylammonium chloride	--	--	--	--
tetrasodium ethylenediaminetetraacetate [edetate tetrasodium]	--	--	--	--
pine oils	--	--	--	--

Notes: Based on available data, the classification criteria for Carcinogenicity are not met for this mixture (< 0.1% ingredients classified as a Carcinogen, category 1 or 2).

Reproductive toxicity: Based on available data, the classification criteria for Reproductive Toxicity are not met for this mixture (< 0.1% ingredients classified as Reproductive Toxicity, category 1 or 2).

Specific Target Organ Toxicity - single exposure: Based on available data, the classification criteria for Specific Target Organ Toxicity - Single Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 1 or 2 and < 20% summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3).

Specific Target Organ Toxicity - repeated exposure: Based on available data, the classification criteria for Specific Target Organ Toxicity - Repeated Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 1 or 2).

Aspiration hazard: Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture (< 10% ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity > 20.5 mm^2/s at 40 °C).

12. Ecological information

Ecotoxicological information: No data available.

Aquatic toxicity, both acute and chronic: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

Mobility in soil: No data available.

13. Disposal considerations

Disposal methods: Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Do not discharge substance/product into sewer system.

Product disposal: When container is empty, press button to release all pressure, then dispose of container and unused contents in accordance with Local, Provincial/State and Federal regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: AEROSOLS

Transport hazard class(es): 2.1

UN number: 1950

Packing group, if applicable: N/A

Hazard label: Class 2.1, Flammable Gases

DOT other shipping information:
With an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity as per DOT 173.306.

IMDG - sea

UN proper shipping name: AEROSOLS

UN number: 1950

Transport hazard class(es): 2.1

Packing group, if applicable: N/A

Environmental hazards - marine pollutant: None

Hazard label: Class 2.1, Flammable Gases

Notes: With an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity.

Canadian Transport of Dangerouse Goods Regulations (TDG)

UN proper shipping name: AEROSOLS

UN number: 1950

Transport hazard class(es): 2.1

Packing group, if applicable: N/A

Hazard label: Class 2.1, Flammable Gases

TDG other shipping information:
With an inner packaging < 1.0 L, this component may be shipped as a Limited Quantity as per TDG Section 1.17.

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Eye Irritation, Skin Sensitization

311/312 Physical hazards: Flammable Aerosols

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
2-butoxyethanol	2 - 2.5	111-76-2

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status:
This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

CERCLA Status:
This product contains no CERCLA listed hazardous substances.

TSCA (The Toxic Substances Control Act)

TSCA Status:
All components are included or are otherwise exempt from inclusion on this inventory.

CAA 112(b) Hazardous Air Pollutants

CAA 112(r) List of Substances for Accidental Release Prevention:

This product contains no chemicals subject to CAA 112(b).

This product contains the following chemicals subject to CAA 112(r).

Name	CAS No.	Threshold Qty (TQ)
Butane	75-28-5	10,000

California Proposition 65:
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

USA OSHA Hazard Communication Standard (29CFR 1910.1200):
OSHA Status: Hazardous Product (See Section 2 for details).
This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

CANADA

WHMIS Hazard Symbol and Classification

See Section 2 for details.

WHMIS Regulatory Status:
This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

WHMIS Classification:
WHMIS 2015 (Canada) Status: Hazardous Product (See Section 2 for details).

CEPA - National Pollutant Release Inventory (NPRI):

Name	CAS No.	NPRI Part No.
2-butoxyethanol	111-76-2	1A, 5 (VOC)
isobutane	75-28-5	5 (VOC)

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):
All components are included or are otherwise exempt from inclusion on this inventory.

Comments VOC Content -- See section 9.

16. Other information

Reason for issue: The Safety Data Sheet was updated.

Approved by: Jim Gordon **Title:** R&D Chemist

Prepared by : Regulatory Compliance

Date revised: 05/17/2024

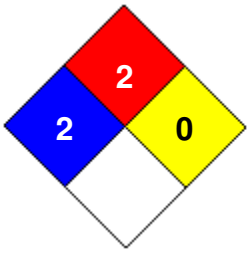
Information contact: 905-670-5411

Revision summary: This SDS replaces the 04/16/2024 SDS. Revised: **Section 9:** pH.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



NFPA 30 / 30B Storage Classification: Level 1 Aerosol

Manufacturer supplemental notes: None

Data sources: Not Available

Additional SDS Information: N/AV Not Available
N/AP Not Applicable
ND Not yet determined
ACGIH American Conference of Governmental Industrial Hygienists
CAA The Clean Air Act
CCCR The Consumer Chemicals and Containers Regulations
CEPA The Canadian Environmental Protection Act
CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
EPCRA The Emergency Planning and Community Right-To-Know Act
IARC International Agency for Research on Cancer
MSHA Mine Safety and Health Administration
NIOSH National Institute for Occupational Safety and Health
NTP National Toxicology Program
OSHA The Occupational Safety and Health Administration
SARA The Superfund Amendments and Reauthorization Act
WHMIS Workplace Hazardous Materials Information System

General statements: None

Comments: None

Manufacturer disclaimer: The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.