

SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Issued : 09/20/2012

SDS No : LVAPC Low VOC Surface Cleaner_ENG

Date Revised : 08/13/2019

Revision No : 6

LVAPC LOW VOC SURFACE CLEANER

1. IDENTIFICATION

Product Name: LVAPC LOW VOC SURFACE CLEANER

Product Description: Surface Cleaner & Multi-Purpose Solvent, Low VOC 3.78 L / 1 gal US

General Use: Surface Cleaners

Product Stock/Code: LVAPC / 8010

Chemical Family: Water-based Solvent

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 Numbers (24 hour)

CANUTEC : (613) 996-6666
CHEMTREC : (800) 424-9300

2. HAZARDS 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 2

Physical hazards:

Flammable Liquids, Category 2

Label elements

Hazardous components for labelling:

Acetone and Isopropyl alcohol



Flame



Exclamation
mark

Signal Word: DANGER

Hazard statement(s)

H225: Highly flammable liquid and vapour.

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H319: Causes serious eye irritation.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating and lighting equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P264: Wash hands thoroughly after handling.
P280: Wear 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.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378: In case of fire: Use dry chemical or foam to extinguish.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.

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 liquid and vapor. Causes serious eye irritation. Substance does not generally irritate and is only mildly irritating to the skin. Vapours may cause drowsiness and dizziness.

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	Wt.%	CAS number
Acetone	5 - 10	67-64-1
Isopropyl alcohol	1 - 3	67-63-0

Comments: 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 Contact: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. Remove

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contaminated clothing and wash before reuse.

Ingestion: Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

Inhalation: If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain medical attention if breathing difficulty persists.

Signs and Symptoms of Overexposure

Eye Contact: Contact causes serious eye irritation. 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.

Skin Contact: 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. May cause headaches and dizziness. High vapor concentrations may cause drowsiness.

Additional Information: No data available.

5. FIRE FIGHTING MEASURES

Flammable Properties: Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Product can be ignited by static discharge.

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 not sensitive to mechanical impact.

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 discharge into drains/surface waters/groundwater.

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.

Handling: Do not use in the presence of open flame or spark. Wear recommended personal protective equipment. Use only in a well ventilated area. Do not breath vapors. Avoid contact with eyes, skin, and clothing. After handling, always wash hands thoroughly with soap and water.

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Storage: Keep away from heat, sparks and open flame. Protect from physical damage. Keep containers tightly closed, when not in use. Store in a cool place. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

OSHA / WHMIS 2015 HAZARDOUS COMPONENTS				
Chemical Name	Occupational Exposure Limits		ppm	mg/m ³
	Type			
Acetone	OSHA PEL	TWA	1000	2400
	ACGIH TLV	TWA	500	1188
		STEL		750
	NIOSH REL	TWA	250	590
Isopropyl alcohol	OSHA PEL	TWA	400	980
	ACGIH TLV	TWA	200	491
		STEL		400
	NIOSH REL	TWA	400	980
		STEL		500

Engineering Controls: Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Eyes and Face: Wear safety glasses with side shields (or goggles). Contact lenses should not be worn when working with this product. Eye wash fountains should be readily available to areas of use and handling.

Skin Contact: Wear chemical resistant gloves.

Respiratory: Generally not required. Wear respiratory protection if ventilation is inadequate.

Protective Clothing: Wear protective clothing as necessary to prevent contact.

Work Hygienic 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
Odor	: Ketone
Odor Threshold	: Not Available
Appearance	: Clear
Color	: Colourless
pH	: No data available.
% Volatiles	: 99+ % w/w
Flash Point and Method	: 15.5 °C Setaflash Closed Cup
Flammable Limits	: 2.5 to 12.8

Notes: Based on data for acetone.

Autoignition Temperature : No data available.

Vapor Pressure : 24 kPa (184 mm Hg) [Acetone] at 20°C

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Vapor Density	: > 1
Boiling Point	: 56 - 105 °C
Freezing Point	: Not Available
Melting Point	: Not Available
Solubility in Water	: Soluble
Evaporation Rate (n-butyl acetate = 1)	: > 1
Density	: 0.96 - 1.00 g/ml at 20°C
Viscosity	: Not Available
VOC Content	: < 25 g/l, less exempt solvents [$< 2.5\%$ w/w]
Oxidizing Properties	: None

Comments:

VOC Compliance Statement

VOC Content: (as supplied)	25 g/l (0.2 lb/gal) 2.5 % w/w
Density:	0.98 ± 0.02 g/ml
Water Content:	89.0 ± 0.5 % w/w
Exempt Content:	8.5 ± 0.5 % w/w (acetone)

VOC Regulation: SCAQMD Rule 1143 – Consumer Paint Thinners & Multi-Purpose Solvents– California, USA
Coating Category: Consumer Multi-Purpose Solvent

The product VOC content meets the 25 g/l (0.21 lb/gal) limit for Consumer Multi-Purpose Solvents. California compliant. Do not thin with solvents.

VOC Regulation: CARB Consumer Product Regulations
Coating Category: Multi-Purpose Solvent

The product VOC content meets the current 3% w/w limit under the CARB Consumer Product Regulations for Multi-Purpose Solvents. California compliant. Do not thin with solvents.

VOC Regulation: VOC Concentration Limits for Automotive Refinishing Products Regulations – Canada
Coating Category: Surface Cleaners

The product VOC content meets the 50 g/l (0.42 lb/gal) limit for Surface Cleaners. Canada compliant. Do not thin with solvents

VOC Regulation: SCAQMD Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations– California
Coating Category: Surface Cleaners

The product VOC content meets the 25 g/l (0.21 lb/gal) limit for Surface Cleaners. California compliant. Do not thin with solvents.

10. STABILITY AND REACTIVITY

Reactive Hazard : No

Hazardous Polymerization: Not expected to occur.

Stability: Stable.

Conditions to Avoid: Keep away from flames and incompatible materials. Keep away from flames and any object that sparks.

Possibility of Hazardous Reactions: No data available.

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Hazardous Decomposition Products: Carbon Monoxide and other toxic vapors.

Incompatible Materials: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	Oral LD ₅₀ mg/kg(rat)	Dermal LD ₅₀ mg/kg(rabbit)	Inhalation LC ₅₀ mg/l
Acetone	8400 5250(mouse) 5300(rabbit)	>15,700	50.1(rat;8h) 44.0(mouse;4h)
Isopropyl alcohol	4710-5840 4475(mouse) 5030(rabbit)	12,870	51.0(rat;8h) 72.6(rat;4h)

Acute Toxicity - Dermal LD₅₀: 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 Toxicity - Oral LD₅₀: 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 Toxicity - Inhalation LC₅₀: 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).

Notes: < 1% 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).

Primary Routes of Entry:

Eye contact. Inhalation. Skin contact. Ingestion.

Skin Irritation / Corrosion: 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).

Eye Irritation / Serious Eye Damage: Contains: Acetone and Isopropyl alcohol. Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as 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 / Skin Sensitizer: Based on available data, the classification criteria for skin/respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a skin sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a skin/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 status	IARC status	OSHA status	Other
Acetone	--	--	--	A4 (ACGIH)
Isopropyl alcohol	--	3	--	--

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

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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 mm²/s at 40 °C).

12. ECOLOGICAL INFORMATION

Environmental Data: No data available.

Ecotoxicological Information: No data available.

Bioaccumulation/Accumulation: No data available.

Distribution: No data available.

Aquatic Toxicity (Acute): No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Method: 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: Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name : PAINT RELATED MATERIAL

Primary Hazard Class/Division: 3

UN/NA Number : 1263

Packing Group : II

Other Shipping Information:

For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

Vessel (IMO/IMDG)

Shipping Name : PAINT RELATED MATERIAL

UN/NA Number : 1263

Primary Hazard Class/Division: 3

Packing Group : II

Marine Pollutant : None

Note: For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

Canadian Transportation of Dangerous Goods Regulations

Shipping Name : PAINT RELATED MATERIAL

UN/NA Number : 1263

Primary Hazard Class/Division: 3

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Packing Group : II

TDG Note:

For products with an inner packaging < 5.0 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

311/312 Physical Hazards: Flammable Liquids

EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt. %	CAS number
Isopropyl alcohol	1 - 3	67-63-0

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)

Chemical Name	Wt. %	RQ
Acetone	5 - 10	5,000

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) or CAA 112(r).

California Proposition 65:

This product contains no chemicals subject to California Proposition 65.

OSHA Hazard Communication Standard (29 CFR 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:

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

CEPA - National Pollutant Release Inventory (NPRI):

Name	CAS No.	NPRI Part No.
Isopropanol	67-63-0	1A, 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: 08/13/2019

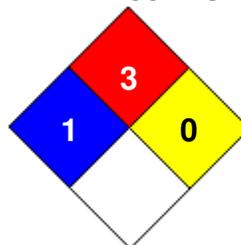
Information Contact: 905-670-5411

Revision Summary: This MSDS replaces the 08/29/2017 MSDS.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



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

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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.