

SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 11/03/2015

MSDS No : BSS Sure Solv_ENG

BSS SURE SOLV Universal Solvent & Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : BSS SURE SOLV Universal Solvent & Cleaner
Product Description: Universal Solvent, 1 L / 1.06 qt US
General Use : Surface Cleaners
Product Stock/Code : BSS / 10058
Chemical Family : Solvent-based / à base de solvant
Molecular Formula : Mixture / Mélange

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

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
Specific Target Organ Toxicity - Single Exposure, Category 3 (Narcotic Effects)
Specific Target Organ Toxicity - Repeated Exposure, Category 2
Carcinogenicity, Category 2
Aspiration Hazard, Category 1

Physical:

Flammable Liquids, Category 2

GHS LABEL

Hazardous components for labelling:

Solvent naphtha light aliphatic, Xylene (mixed isomers) and Ethylbenzene



Flame



Exclamation
mark



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H373: May cause damage to hearing organs and central nervous system through prolonged or repeated exposure.

H351: Suspected of causing cancer.

H304: May be fatal if swallowed and enters airways.

PRECAUTIONARY STATEMENT(S)

Prevention:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof electrical / ventilating / lighting equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P264: Wash hands thoroughly after handling.

P260: Do not breathe vapours.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves and eye protection.

Response:

P308+P313: IF exposed or concerned: Get medical advice/ attention.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331: Do NOT induce vomiting.

P370+P378: In case of fire: Use dry chemical or foam to extinguish.

Storage:

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

P233: Keep container tightly closed.

P405: Store locked up.

Disposal:

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

Emergency Overview

Immediate Concerns:

Flammable liquid and vapor. Aspiration hazard. This material may be harmful or fatal if swallowed. Moderately irritating to the skin. Vapours may cause drowsiness and dizziness. May be harmful in contact with skin or if inhaled. Suspected of causing cancer.

Hazards Not Otherwise Classified:

No data available.

Comments:

< 5 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

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.

This product is a consumer product and is labeled in accordance with the Canadian Consumer Chemicals and

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Containers Regulations and US Consumer Product Safety Commission regulations which take precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling. The actual container label will not include the above label elements. The labeling above applies to products used solely for industrial / professional use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS No.
Solvent naphtha light aliphatic	55 - 65	64742-89-8
Xylene (mixed isomers)	30 - 36	1330-20-7
Ethylbenzene	6 - 8	100-41-4

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:

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 Contact:

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

Ingestion:

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Signs and Symptoms of Overexposure

Eye Contact:

Mildly irritating to the 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 Contact:

Contact causes skin irritation. 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. If swallowed, may be aspirated and cause lung damage. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation:

High vapor or spray mist concentrations may be harmful if inhaled. May cause headaches and dizziness. High vapor concentrations may cause drowsiness.

Notes to Physician:

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

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 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.

Handling:

Do not use in the presence of open flame or spark. Use only in a well ventilated area. Wear recommended personal protective equipment. Keep container closed when not in use. Avoid breathing vapours or mist. Avoid contact with eyes, skin, and clothing. After handling, always wash hands thoroughly with soap and water.

Storage:

Store away from heat, sparks, open flames, strong oxidizing agents and direct sunlight. Protect from physical damage. Keep container tightly closed and in a well-ventilated place. Store in a cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		Occupational Exposure Limits					
		OSHA PEL		ACGIH TLV		NIOSH REL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Solvent naphtha light aliphatic	TWA	[1]	[1]	[1]	[1]	--	350
	STEL	[1]	[1]	[1]	[1]	--	1800
Xylene (mixed isomers)	TWA	100	435	100	434	100	435
	STEL	[1]	[1]	150	651	150	655
Ethylbenzene	TWA	100	435	20	--	100	435
	STEL	[1]	[1]	[1]	[1]	125	545

Footnotes:
1. NL: This material does not have established exposure limits.

Engineering Controls:

Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

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:

If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: 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. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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	: Aromatic
Odor Threshold	: No data available.
Appearance	: Mobile liquid
Color	: Colourless
pH	: Not Applicable
% Volatiles	: 100 % w/w

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Flash Point and Method : 7 to 14°C Closed Cup (solvent naphtha light aliphatic)

Flammable Limits : 0.9 to 7

Notes: Based on data for solvent naphtha light aliphatic.

Autoignition Temperature : 320°C (608°F)

Notes: Based on data for solvent naphtha light aliphatic.

Vapor Pressure : No data available.

Vapor Density : > 1 (air = 1)

Boiling Point : 115 - 120°C (solvent naphtha light aliphatic)

Freezing Point : No data available.

Melting Point : No data available.

Solubility in Water : Practically insoluble

Evaporation Rate
(n-butyl acetate = 1) : ~ 1

Density : 0.80±0.01g/ml at 20°C

Viscosity : < 10 cps

VOC Content : 100% w/w

Oxidizing Properties : None

10. STABILITY AND REACTIVITY

Reactive Hazard : No

Hazardous Polymerization:

Not expected to occur.

Stability:

Stable.

Conditions to Avoid:

Keep away from flames and any object that sparks.

Possibility of Hazardous Reactions:

Not Available

Hazardous Decomposition Products:

Carbon Monoxide and other toxic vapors.

Incompatible Materials:

Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Product Acute Toxicity

Chemical Name	ORAL LD ₅₀ mg/kg (rat)	DERMAL LD ₅₀ mg/kg (rabbit)	INHALATION LC ₅₀ mg/l
Solvent naphtha light aliphatic	> 2000	> 3000	>23(rat;4h) >33;<42(rat;4h)
Xylene (mixed isomers)	5400 5251(mouse) 5627(mouse)	12,180	6350 ppm (rat;4h) 6700 ppm (rat;4h)
Ethylbenzene	5460 3500 5627(mouse)	17,800 15,354	17.2(rat;4h) 13,367 ppm (rat;2h)

Acute Toxicity - Dermal LD₅₀: The calculated ATE is >2000 mg/kg.

Notes:

Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture.

Acute Toxicity - Oral LD₅₀: The calculated ATE is >2000 mg/kg.

Notes:

Based on available data, the classification criteria for Acute Oral Toxicity are not met for this mixture.

Acute Toxicity - Inhalation LC₅₀: The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists).

Notes:

Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture.

Toxicological Data:

< 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).

Eye Irritation / Serious Eye Damage:

Based on available data, the classification criteria for eye irritation are not met for this mixture. Slightly irritating but does not injure eye tissue.

Skin Irritation / Corrosion:

Contains: Xylene (mixed isomers). Causes skin irritation. The mixture is classified as: Skin Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as skin irritant, category 2). Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Carcinogenicity

Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Solvent naphtha light aliphatic	--	--	--	--
Xylene (mixed isomers)	--	3	--	--
Ethylbenzene	--	2B	--	A3 (ACGIH)

Notes:

Contains: Ethylbenzene. Ethylbenzene has been classified as being possibly carcinogenic to humans (Group 2B). The mixture is classified as: Carcinogenicity, category 2 based on ingredient data using the applicable cut-off/concentration limits (≥ 0.1% ingredients classified as a Carcinogen, category 2).

Specific Target Organ Toxicity - Repeated Exposure:

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The mixture is classified as: Specific Target Organ Toxicity - Repeated Exposure, category 2, based on ingredient data using the applicable cut-off/concentration limits ($\geq 1.0\%$ ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 2). Prolonged inhalation may be harmful. Chronic exposure to organic solvents such as Xylene and Ethylbenzene have been associated with various neurotoxic effects including permanent brain and nervous system damage. Symptoms include: loss of memory, loss of intellectual ability, and loss of coordination.

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).

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:

Contains: Solvent naphtha light aliphatic. The mixture is classified as: Specific Target Organ Toxicity - Single Exposure, category 3, based on summation of ingredient data using the applicable cut-off/concentration limits ($\geq 20\%$ summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3). Can cause central nervous system depression (including unconsciousness). High vapor concentrations may cause drowsiness. May cause headaches and dizziness.

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).

Aspiration Hazard:

The mixture is classified as: Aspiration Hazard, category 1 based on ingredient data and viscosity data ($\geq 10\%$ ingredients classified as an Aspiration Hazard, category 1 and mixture viscosity $\leq 20.5 \text{ mm}^2/\text{s}$ at $40 \text{ }^\circ\text{C}$). If swallowed, may be aspirated and cause lung damage.

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:

Empty containers retain product residue; observe all precautions for product. Decontaminate containers prior to disposal.

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

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

Fire Hazard : Yes

Sudden Release of Pressure : No

Reactive Hazard : No

Product Acute Toxicity : Yes

Product Chronic Toxicity : Yes

EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt. %	CAS No.
Xylene (mixed isomers)	30 - 36	1330-20-7
Ethylbenzene	6 - 8	100-41-4

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
Xylene (mixed isomers)	30 - 36	100
Ethylbenzene	6 - 8	1,000

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

Chemical Name	Wt.%	CAS No.
Xylene (mixed isomers)	30 - 36	1330-20-7
Ethylbenzene	6 - 8	100-41-4

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

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

California Proposition 65

Chemical Name	Wt.%	Listed
Ethylbenzene	6 - 8	Cancer

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:

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

CEPA - National Pollutant Release Inventory (NPRI):

Name	CAS No.	NPRI Part No.
Xylene (mixed isomers)	1330-20-7	1A, 5 (VOC)
Ethylbenzene	100-41-4	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

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VOC Content -- See section 9.

16. OTHER INFORMATION

Reason for Issue: NEW

Approved By: Jim Gordon **Title:** R&D Chemist / Chemiste de R&D

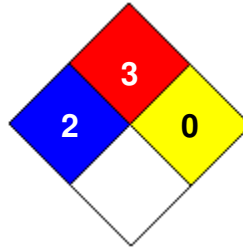
Prepared By : Regulatory Compliance / Conformité réglementaire **Date Prepared:** 11/03/2015

Information Contact: 905-670-5411

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		G

NFPA CODES



NFPA 30 / 30B Storage Classification: Flammable Liquid IB

Manufacturer Supplemental Notes:

None

Data Sources:

Not Available

Additional MSDS Information:

N/AV Not Available

N/AP Not Applicable

ND Not yet determined

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 Act

SARA The Superfund Amendments and Reauthorization Act

WHMIS Workplace Hazardous Materials Information System

General Statements:

None

Comments:

None

Manufacturer Disclaimer:

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