SECTION 1. IDENTIFICATION

Product identifier used on the label

: Silicone Wash

Product Code(s) : None assigned.

Recommended use of the chemical and restrictions on use

Solvent

Use pattern:Professional Use Only Recommended restrictions None known.

Chemical family : Mixture

of the supplier: the manufacturer:

Canadian Alcohol Co

Refer to supplier

4120 Midland Ave Agincourt, ON, Canada

M1S 3B9

Supplier's Telephone # : 416-293-0123

24 Hr. Emergency Tel # : 24 Hr. Emergency Tel. # (613) 996-6666 (CANUTEC)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear, colorless liquid. Hydrocarbon odour.

Most important hazards: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification:

Flammable Liquids - Category 2 Skin Irritation - Category 2 Reproductive Toxicity - Category 2 Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects Specific Target Organ Toxicity, Single Exposure -Category 3 (respiratory) Aspiration Toxicity - Category 1

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

Highly flammable liquid and vapour.
Causes skin irritation.
Suspected of damaging the unborn child.
May cause drowsiness or dizziness.
May cause respiratory irritation.
May be fatal if swallowed and enters airways.

Precautionary statement(s)

Obtain special instructions before use.

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

Keep away from heat, open flames and hot surfaces. - No smoking.

Keep container tightly closed.

Ground/Bond container and receiving equipment.

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

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing mist or vapours.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/clothing and eye/face protection.

IF exposed or concerned: Get medical attention/advice.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

If skin irritation occurs, get medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

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

In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Keep cool.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards which do not result in classification:

Burning produces obnoxious and toxic fumes.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Direct eye contact may cause slight or mild. transient irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS#	Concentration (% by weight)
Solvent naphtha, petroleum, light aliph.	Naphtha	64742-89-8	60.0 - 80.0
Xylene	Dimethylbenzene Methyltoluene Xylol	1330-20-7	15.0 - 40.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion

: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

Inhalation

If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact: Immediately flush with plenty of water, while removing contaminated

clothing.Immediately call a POISON CENTER or doctor/physician. Wash contaminated

clothing before reuse.

Eye contact : For eye contact, flush with running water for at least 15 minutes. If eye irritation

persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

: Causes skin irritation. Redness, swelling, itching and dryness. May cause respiratory irritation. May cause coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. May cause headache, nausea, dizziness and other symptoms of central nervous system depression. May cause eye irritation. Symptoms may include stinging and tearing. Prolonged exposure can cause central nervous system effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically. Aspiration hazard.. This product is a CNS depressant.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam; Water fog .

Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Highly flammable liquid and vapour. Vapours may ignite explosively. Vapours are heavier than air and may spread along floors. Static discharge, impact, friction, and heat may ignite exposed chemical material. Empty containers may contain hazardous residues.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable Liquids - Category 2

Hazardous combustion products

: Carbon dioxide, carbon monoxide and other unidentified organic compounds.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures

Do not breathe fumes or vapours. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools and equipment in the clean-up process. Avoid breathing mist or vapours. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.

Special spill response procedures

If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

EPA/CERCLA Reportable quantity (RQ): See section 15.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated areas. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep away from flames and hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharges. Ground all equipment during handling.

Conditions for safe storage

Keep container tightly closed. Store in cool/well-ventilated place. Store locked up. Keep cool. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Empty containers may contain hazardous residues.

Incompatible materials

: Acids, oxidizing agents, halogens and halogenated compounds. Metal salts.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
<u>Chemical Name</u>	ACGIH TLV		OSHA	<u>PEL</u>
	<u>TWA</u>	STEL	PEL	STEL
Solvent naphtha, petroleum, light aliph.	N/Av	N/Av	500 ppm (2000 mg/m³) (as petroleum distillates, naphtha)	N/Av
Xylene	100 ppm	150 ppm	100 ppm (435 mg/m³)	N/Av

Exposure controls

Ventilation and engineering measures

: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

: If airbourne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection specialists.

Skin protection Eye / face protection

Wear protective gloves/clothing. Advice should be sought from glove suppliers.
 Wear eye/face protection. Wear safety glasses with side shields (or goggles).

Other protective equipment:

Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

: Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothing home. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colourless liquid.

Odour : Hydrocarbon odour.
Odour threshold : Not available.

pH : No information available.

Melting/Freezing point : Not available.

Initial boiling point and boiling range

: 65°C

Flash point : 8°C

Flashpoint (Method) : Cleveland closed cup

Evaporation rate (BuAe = 1) : Not available.

Flammability (solid, gas) : Not applicable.

Lower flammable limit (% by vol.)

: 1%

Upper flammable limit (% by vol.)

: 7%

Oxidizing properties : None known.

Explosive properties : Not explosive

Vapour pressure : Not available.

Vapour density : (Air = 1) 3

Relative density / Specific gravity

: 0.845

Solubility in water : Partially soluble.

Other solubility(ies) : Not available.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: Not available.

Auto-ignition temperature : Not available.

Decomposition temperature: No information available.

Viscosity : Not available.

Volatiles (% by weight) : 100% Volatile organic Compounds (VOC's)

: Not available.

Absolute pressure of container

: Not applicable.

Flame projection length : Not applicable.

Other physical/chemical comments

: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid : Open flames, sparks, high heat, direct sunlight, and close proximity to incompatible

substances. Do not use in areas without adequate ventilation.

Incompatible materials: Incompatible materials (see Section 7).

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

<u>Information on likely routes of exposure:</u>

Routes of entry inhalation : YES
Routes of entry skin & eye : YES
Routes of entry Ingestion : YES

Routes of exposure skin absorption

: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

May cause respiratory tract irritation. Coughing, difficulty breathing, and tightness in chest. May cause headache, nausea, dizziness and other symptoms of central nervous system depression.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

Sign and symptoms skin

Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.

Sign and symptoms eyes Direct eye contact may cause slight or mild, transient irritation.

Potential Chronic Health Effects

: Prolonged exposure can cause central nervous system effects.

Mutagenicity : Not expected to be mutagenic in humans.

Carcinogenicity : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive Toxicity - Category 2 Suspected of damaging the unborn child.

Xylene may cause fetotoxic effects (e.g. reduced fetal weight, delayed ossification, behavioral effects) at doses which are not maternally toxic, based on animal data.

Sensitization to material

Not expected to be a skin or respiratory sensitizer.

Specific target organ effects:

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products

Regulations) (WHMIS 2015). Classification: Specific target organ toxicity, single exposure - Category 3.

May cause drowsiness or dizziness. May cause respiratory irritation.

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Medical conditions aggravated by overexposure

Pre-existing skin, eye, respiratory and central nervous system disorders.

Synergistic materials

No information available.

Toxicological data

There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

	LC₅₀(4hr)	LDe	50
Chemical name	<u>inh, rat</u>	(Oral, rat)	(Rabbit, dermal)
Solvent naphtha, petroleum, light aliph.	> 23 mg/L (vapour)	> 8000 mg/kg	> 4000 mg/kg
Xylene	6350 ppm (27.6 mg/L) (vapours)	3253 mg/kg	12 180 mg/kg

Other important toxicological hazards

: None reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects. Do not allow material to contaminate ground water system.

See the following tables for the substance's ecotoxicity data.

Ecotoxicity data:

In averagio arto	040 N	Toxicity to Fish				
<u>Ingredients</u>	CAS No	LC50 / 96h	NOEC / 21 day	M Factor		
Solvent naphtha, petroleum, light aliph.	64742-89-8	8.2 mg/L (Fathead minnow)	N/Av	None.		
Xylene	1330-20-7	8.2 mg/L (Rainbow trout)	N/Av	None.		

<u>Ingredients</u>	CAS No	Toxicity to Daphnia				
		EC50 / 48h	NOEC / 21 day	M Factor		
Solvent naphtha, petroleum, light aliph.	64742-89-8	32 mg/L (Daphnia magna)	2.6 mg/L	None.		
Xylene	1330-20-7	3.2 - 9.56 mg/L (Daphnia magna)	N/Av	None.		

<u>Ingredients</u>	CAS No	Toxicity to Algae				
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor		
Solvent naphtha, petroleum, light aliph.	64742-89-8	45 mg/L/96hr (Green algae)	18 mg/L/96hr (NOEL)	None.		
Xylene	1330-20-7	3.2 - 4.9 mg/L/72hr (Green algae)	N/Av	None.		

Persistence and degradability

: Not readily biodegradable.

Bioaccumulation potential: No information available.

<u>Components</u>	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Solvent naphtha, petroleum, light aliph. (CAS 64742-89-8)	2.1 - 6	129 - 576
Xylene (CAS 1330-20-7)	3.12 - 3.2	0.6 - 15

Mobility in soil :

: The product itself has not been tested.

Other Adverse Environmental effects

: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal

: Dispose in accordance with all applicable federal, state, provincial and local regulations.

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label					
TDG	UN1263	PAINT RELATED MATERIAL	3	II	3					
TDG Additional information		May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. ERG #128								
49CFR/DOT	UN1263	Paint related material	3	II	3					
49CFR/DOT Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.									
ICAO/IATA	UN1263	Paint related material	3	II	3					
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction									
IMDG	UN1263	PAINT RELATED MATERIAL	3	II	3 1					
IMDG Additional information	Consult the IMDG regulations for exceptions.									

Special precautions for user: Appropriate advice on safety must accompany the package.

Environmental hazards : This substance meets the criteria for an environmentally hazardous substance

according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: This information is not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

	TSCA		CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
<u>Ingredients</u>	CAS#	CAS # Inventory Qua		Hazardous Substance, 40 CFR 355:	Toxic Chemical	de minimus Concentration	
Solvent naphtha, petroleum, light aliph.	64742-89-8	Yes	None.	None.	No	N/Ap	
Xylene	1330-20-7	Yes	100 lb/ 45.4 kg	None.	Yes	1%	

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Skin irritation; Reproductive toxicity; Specific target organ toxicity, single exposure; Aspiration hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

Ingredients	CAS#	California Proposition 65		State "Right to Know" Lists					
	0.10	Listed	Type of Toxicity	CA	MA MN NJ			PA	RI
Solvent naphtha, petroleum, light aliph.	64742-89-8	No	N/Ap	No	No	No	No	No	No
Xylene	1330-20-7	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information:

Canadian Environmental Protection Act (CEPA): All ingredients are present on the DSL.

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS#	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Solvent naphtha, petroleum, light aliph.	64742-89-8	265-192-2	Present	Present	Not listed	KE-31661	Present	May be used as a single component chemical under an appropriate group standard.
Xylene	1330-20-7	215-535-7	Present	Present	(3)-60; (3)-3	KE-35427	Present	HSR000983

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists

AICS: Australian Inventory of Chemical Substances

ATE: Acute Toxicity Estimate

CA: California

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

of 1980

CFR: Code of Federal Regulations CSA: Canadian Standards Association DOT: Department of Transportation ECHA: European Chemicals Agency

ECOTOX: U.S. EPA Ecotoxicology Database

EINECS: European Inventory of Existing Commercial chemical Substances

ENCS: Existing and New Chemical Substances EPA: Environmental Protection Agency HSDB: Hazardous Substances Data Bank

IARC: International Agency for Research on Cancer

IBC: Intermediate Bulk Container

IECSC: Inventory of Existing Chemical Substances IMDG: International Maritime Dangerous Goods

IOC: Inventory of Chemicals

IUCLID: International Uniform Chemical Information Database

KECI: Korean Existing Chemicals Inventory KECL: Korean Existing Chemicals List

LC: Lethal Concentration

LD: Lethal Dose MA: Massachusetts

SDS Preparation Date (mm/dd/yyyy): 05/17/2018

SAFETY DATA SHEET

MN: Minnesota N/Ap: Not Applicable N/Av: Not Available

NIOSH: National Institute of Occupational Safety and Health

NJ: New Jersey

NOEC: No observable effect concentration NTP: National Toxicology Program

OECD: Organisation for Economic Co-operation and Development

OSHA: Occupational Safety and Health Administration

PA: Pennsylvania

PEL: Permissible exposure limit

PICCS: Philippine Inventory of Chemicals and Chemical Substances

RCRA: Resource Conservation and Recovery Act

RI: Rhode Island

RTECS: Registry of Toxic Effects of Chemical Substances SARA: Superfund Amendments and Reauthorization Act SDS: Safety Data Sheet / Material Safety Data Sheet

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values
TSCA: Toxic Substance Control Act
TWA: Time Weighted Average

WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents &
 - Biological Exposure Indices for 2016
 - 2. International Agency for Research on Cancer Monographs, searched 2017
 - 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases,
 - 2017(Chempendium, HSDB and RTECs).
 - 4. Material Safety Data Sheets from manufacturer.
 - 5. US EPA Title III List of Lists 2017 version.
 - 6. California Proposition 65 List 2017 version.
 - 7. OECD The Global Portal to Information on Chemical Substances -

eChemPortal,2017.

Preparation Date (mm/dd/yyyy)

: 05/17/2018

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

Canadian Alcohol Co 4120 Midland Ave

Agincourt, ON, Canada, M1S 3B9 Telephone: (416) 293 0123

Prepared by:

ICC The Compliance Center Inc.

Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada)

http://www.thecompliancecenter.com



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