

Safety Data Sheet

Revision date 10-Oct-2015

Supersedes Date 05-Jan-2014

Version 3

1. Identification of the Substance/Mixture and of the Company/Undertaking

Product name	SCHULTZ® CC-1
Chemical name	Methylene dichloride
Recommended use	Cleaning agent
Company	Schultz Canada Chemicals Ltd
Address	1699 Matthews Ave Vancouver BC, V6J 2T3
Telephone	778-383-2793
E-mail address	Jillian.Jiang@shschultz.com
Emergency telephone	778-938-5977

2. Hazards Identification

Hazard classification

Health hazards

Acute toxicity,oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2B
Carcinogenicity	Category 2

Hazard classification

Hazard pictogram



Signal word: warning**Hazard statements**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H320	Causes eye irritation.
H351	Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Precautionary statements

Prevention	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection.

Response	
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage	
P405	Store locked up.

Disposal	
P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

3. Composition/Information on Ingredients

Component	CAS No.	Weight (%)
Methylene dichloride	75-09-2	100

4. First-Aid Measures

General advice	In case of doubt or symptoms persist, seek medical advice. In case of unconscious, get medical attention immediately.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately if symptoms occur.
Skin contact	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Inhalation	If inhaled: Remove to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.
Most important symptoms and effects	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Contact with hot material can cause thermal burns which may result in permanent damage.
Notes to physician	Treat symptomatically and supportively.

5. Fire-Fighting Measures

General fire hazards	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. No flash point in conventional closed tester, but forms flammable vapor-air mixtures in larger volumes and may be an explosion hazard in a confined space.
Extinguishing media	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Special hazard	None known.
Advice for firefighters	As in any fire, wear self-contained breathing apparatus (SCBA) , and full protective gear. Evacuate all persons from the vicinity Promptly isolate the

scene. Prevent fire extinguishing water from contaminating surface water and groundwater systems. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and extinguishing water contaminated must comply with local regulations for disposal. In the premise there is no danger of the container is removed from the scene in. Water spray to cool containers / tanks.

6. Accidental Release Measures

Personal precautions	Do not touch or walk through spilled material. Avoid contact skin, eyes and clothing. Wear personal protective equipment. If appropriate refer to headings 8.
Environmental precautions	Stop leak if safe to do so. Clean up spill immediately. Prevent from entering into soil, drains or water courses.
Methods for containment and cleaning up	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Provide ventilation.
Notification procedures	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

7. Handling and Storage

Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid contact with heat, sparks and flame. Use only with adequate ventilation. Avoid breathing vapor or mist.
Storage	Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Store below 40°C. Keep away from active metals.

8. Exposure Controls/Personal Protection

Control parameters

Exposure limits

Chemical name	Type	Exposure limit values	Source
Methylene chloride	TWA	25 ppm	US. OSHA PEL: [1910.1052]
	STEL	125ppm	US. OSHA PEL: [1910.1052]

Exposure controls**Engineering controls**

Maintain air concentrations below occupational exposure standards. Apply technical measures to comply with the occupational exposure limits. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal protective equipment**General information**

An eye wash bottle must be available at the work site. Provide access to washing facilities including soap, skin cleanser.

Eye/face protection

Wear chemical goggles.

Skin and body protection

Wear appropriate protective gloves to prevent skin exposure.

Respiratory protection

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Hand Protection

Wear chemical resistant gloves. Please read carefully the glove supplier explain the permeability about gloves and solvent penetration time.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using the product. Wash at the end of each work shift and before eating, smoking and using the toilet. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls

The product should not be allowed to enter drains, water courses or the soil. Avoid release to the environment.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Form	Clear liquid
Color	Colorless
Odor	Aromatic
Odor threshold	No data available
pH	No data available
Melting point	-97 °C
Boiling point/boiling range	40 °C
Flash point	Not applicable
Evaporation rate	0.71
Flammability (solid, gas)	Not applicable
Flammability limit - Upper(%)	22
Flammability limit - Lower(%)	14
Vapor pressure	46.5kPa (20°C)
Vapor density	No data available
Specific gravity	1.3 (20°C)
Solubility(ies)	
Solubility in water	20 g/l (20°C)
Solubility (other)	No data available.
Partition coefficient (n-octanol/water)	1.25
Auto-ignition temperature	556 °C
Decomposition temperature	No data available
Dynamic viscosity	0.43 mPa · s (20 °C)
kinematic viscosity	0.53 mm ² /s
Explosive properties	Not classified.
Oxidizing properties	Not classified.

10. Stability and Re-activity

Reactivity	None known.
Chemical stability	Stable at room temperature in closed containers under normal storage and handling conditions. May form explosive mixtures in atmospheres having high oxygen content.
Hazardous Polymerization	Will not occur.
Conditions to avoid	Illumination, Humid air.
Incompatible materials	Strong oxidizing agents, strong bases, chemically active metals.

Hazardous decomposition products	Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide.
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11. Toxicological Information

Information on likely routes of exposure

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin contact	May be harmful if absorbed through skin. Causes skin irritation.
Eyes contact	Causes eye irritation.

Information on toxicological effects

Acute toxicity	
Oral	LD50 (Rat): 1600 mg/kg.
Dermal	No data available.
Inhalation	LC50 (Rat): 52 mg/l.
Repeated dose toxicity	No data available.
Skin corrosion/irritation	Rabbit, 24 h: Skin irritating.
Serious eye damage/eye irritation	Rabbit, 24 h: Mild eye irritation.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	
In vitro	No data available.
In vivo	Oral (rat):DNA damage
Carcinogenicity	Carcinogenicity - rat - Inhalation Tumorigenic: Carcinogenic by RTECS criteria. Endocrine: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies IARC: 2B - Group 2B: Possibly carcinogenic to humans (Methylene chloride) NTP: Reasonably anticipated to be a human carcinogen (Methylene chloride)
Reproductive toxicity	No data available.

Developmental toxicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity- repeated exposure	No data available.
Aspiration hazard	No data available.
Other effects	No data available.

12. Ecological Information

Ecotoxicity

Acute hazards to the aquatic environment

Fish	NOEC (Cyprinodon variegatus, 96 h):130 mg/l. LC50 (Pimephales promelas, 96 h) :193 mg/l
Aquatic invertebrates	EC50 (Daphnia magna, 48 h): 1682 mg/l.

Chronic hazards to the aquatic environment

Fish	No data available.
Aquatic invertebrates	No data available.
Toxicity to aquatic plants	No data available.

Persistence and degradability

Biodegradation	No data available.
BOD/COD ratio	No data available.

Bioaccumulative potential

Bioconcentration factor (BCF)	No data available.
Partition coefficient n-octanol / water (log Kow)	Log Kow: 1.25.

Mobility in soil

	No data available.
Other adverse effects	No data available.

13. Disposal Considerations

Waste disposal methods	Do not allow into any sewers, ground, or into any water. All disposal practices must be in compliance with state and local laws and regulations. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in headings 8 (exposure controls and personal protection) of the SDS.
Contaminated packaging	Dispose of as unused product.
Other Information	See headings 15 for more information.

14. Transport Information

DOT	
UN/ID no.	UN 1593
Proper shipping name	(Dichloromethane)
Hazard class	6.1
Packing group	III
Marine pollutant	No
IMDG	
UN/ID no.	UN1593
Proper shipping name	(DICHLOROMETHANE)
Hazard class	6.1
Packing group	III
Marine pollutant	No
IATA	
UN/ID no.	UN1593
Proper shipping name	(Dichloromethane)
Hazard class	6.1
Packing group	III
Marine pollutant	No

15. Regulatory Information

OSHA Hazards: Carcinogen, Target Organ Effect, Harmful by ingestion., Irritant.

DSL Status: All components of this product are on the Canadian DSL list.

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard.

WHMIS (Canada): CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R22- Harmful if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer.

16. Other Information

Supersedes date	05-Jan-2014
Revision date	10-Oct-2015
Revision Note	New SDS format. SDS sections updated: All.

Disclaimer

The SDS information applies only to the specified product, unless otherwise specified, in the case of a mixture of this product with other substances, which do not apply. The information provided is a guide for the safe operation and not as a guarantee of the quality manual. The SDS only those received professional training in the proper use of the product provides product safety information for. Users of this SDS, under special conditions of use must be made of the suitability of the SDS independent judgment. In special occasions, due to the use of this SDS caused injury, this SDS writers will not be held responsible.