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Section I. Identification

1.1 Product identifier

Product name	SQ Chlorinated Brake Cleaner
Product number	0300
Brand	SQ

1.2 Recommended use of the chemical and restrictions on use

Use: automotive car care, brake cleaner.

1.3 Suppliers detail:

Name	Sicamu, Inc
Address	1066 Strong Rd Quincy, FL 32351
Telephone	(850) 270-6283

1.4 Emergency phone number (s)	1 (800) 424-9300
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Section II. Hazard identification

2.1 Classification of the substance or mixture

Gases under Pressure	Compressed gas
Skin Corr./Irrit	2
Serious eye damage	2B
Sensitization, skin	1B
Carcinogenicity	1B
Specific target organ toxicity, single exposure	3, narcotic effects
Hazardous to the aquatic environment, acute hazard	2
Hazardous to the aquatic environment, long-term hazard	2

2.2 Label elements



GHS04

GHS07

GHS08

Signal word (GHS-US)

Danger

Pictogram:

Content under pressure.

Health Hazard.

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Hazard Statement:

H280 Contains gas under pressure. May explode if heated.
H304 May be fatal if swallowed and enters in airways.
H315 Causes skin irritation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P251 Pressurized container. Do not pierce or burn, even after used.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.

Precautionary Statements (Response)

P302+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P301+P310 Immediately call a POISON CENTER or doctor/physician.
P301+P312+P330 IF SWALLOWED: call a POISON CENTER if you feel unwell. Rinse mouth.
P303+P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
P304+P340+P312 If INHALED: remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.
P331 Do not induce vomiting.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Precautionary Statements (Storage):

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

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

2.3 Hazards not otherwise classified.

No specific damages known if the regulations/notes for storage and handling are considered.

Section III. Composition/Information on Ingredients

CAS Number	Weight %	Chemical Name
124-18-4	90-98 %	Tetrachloroethylene
124-38-9	1-5 %	Carbon Dioxide

Section IV. First aid measures

4.1 Description of first aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled:

If breathing move person into fresh air. If not breathing, perform artificial respiration. If adverse health effects develop seek medical attention.

If on skin:

After contact with skin wash immediately with plenty of water. If adverse health effects develop seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

If swallowed:

Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs naturally keep airways clear. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

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Eyes: irritation. Symptoms may include discomfort or pain, excess blinking, and tear production, with possible redness and swelling.

Inhalation: may cause drowsiness or dizziness.

Skin: may cause irritation, symptoms may include redness and drying of the skin.

Ingestion: may be fatal if swallowed. This product may enter airways and aspirated into the lungs causing chemical pneumonitis. It may also cause stomachal distress and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed:

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section V. Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water fog, foam, dry chemical powder, dry chemical, carbon dioxide, water spray.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture:

Fire hazard: non-flammable aerosol.

Explosion hazard: heat may build pressure, rupturing closed containers.

Reactivity: vapors may decompose when exposed to extreme heat resulting in corrosive and toxic gases such as hydrogen chloride and phosgene.

5.3 Advice for firefighters:

Firefighting instructions: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up.

Protection during firefighting: keep upwind of fire. Wear full firefighting turn-out gear and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

5.4 Further information:

In case of fire: evacuate area. Fight fire remotely due to the risk of explosion. Use water spray to cool unopened containers.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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Section VI. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures:

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personal to safe areas. Beware of vapors accumulating. Vapors can accumulate in low areas. Use self-contained breathing equipment. Do not touch damaged containers of spilled material unless wearing appropriate protective clothing.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

6.4 Reference to other sections:

For personal protection see Section 8.
For disposal considerations see Section 13.

Section VII. Handling and storage

7.1 Precautions for safe handling:

Do not spray on an open flame or other ignition sources. keep away from ignition sources. No smoking. Use non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharge. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas, fumes, vapor or spray. When using do not eat, drink, or smoke. Use only outdoors in a well-ventilated area. Do not pierce or burn, even after use.

Hygiene measures: launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a dry and well-ventilated place. Keep locked and out of reach of children. Do not expose to temperatures exceeding 40°C/104°F. Store away from direct sunlight or other heat sources. keep in fire-proof place.

Storage: store in a well-ventilated place, out of the reach of children and pets.

7.3 Specific end uses:

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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Section VIII. Exposure controls/personal protection

8.1 Components with occupational exposure limits:

Tetrachloroethylene		CAS # 127-18-4
OSHA	ACGIG TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	100 ppm
ACGIH	ACGIH TWA (ppm)	25 ppm
ACGIH Biological Exposure limits		0.5 mg/l blood 3 ppm end-exhaled air

Carbon Dioxide		CAS # 124-38-9
ACGIH	ACGIH TWA (ppm)	5,000 ppm
ACGIH	ACGIH STEL (ppm)	30,000 ppm
OSHA	OSHA PEL (TWA) (mg/m ³)	9,000 mg/m ³
OSHA	OSHA PEL (ppm)	5,000 ppm

8.2 Advice on system design:

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment.

8.3 Personal protective equipment:

Respiratory protection:

If ventilation is insufficient wear suitable respiratory equipment. Select respirator according to estimated exposure levels.

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection:

Safety glasses are always recommended when using chemicals, particularly products that spray.

Body protection:

Wear suitable protective clothes.

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General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking, or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

Section IX. Physical and chemical properties

Form:	liquid.
Odor:	irritant.
Odor threshold:	50 ppm.
Color:	clear.
pH value:	not available
Melting point/freezing point:	-8.1 F (-22.3 °C) estimated.
Boiling point:	250.3 F (121.3 °C) estimated.
Flash point:	NA
Flammability:	NA
Lower explosion limit:	NA
Upper explosion limit:	NA
Autoignition temperature:	no data available.
Vapor pressure:	1,428.3 hPa estimated.
Density:	1.62 g/cm ³ @ 75 F.
Vapor density:	5.76 (air =1)
Partitioning coefficient n-octanol/water (low Pow)	no data available.
Self-ignition temperature	no data available.
Viscosity, dynamic:	no data available.
Viscosity, kinetic:	no data available.
Solubility in water:	0.02% @ 75 F.
Solubility (quantitative)	no data available.
Solubility (qualitative)	no data available.
Evaporation rate:	value can be approximated from Henry's Law of Constant Vapor pressure.
Other information:	If necessary, information on other physical and chemical parameters is indicated in this section. No further information is available.
Percent volatile	97 %

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Section X. Stability and reactivity

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable under normal conditions. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3 Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid:

Heat, flames, and sparks. When exposed to extreme heat or hot surfaces, vapors may decompose to harmful or fatal corrosive gasses such as hydrogen chloride and possibly phosgene.

10.5 Incompatible materials:

Strong oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products:

Hydrogen chloride. Trace amount of chlorine and phosgene. Carbon oxides. Halogenated materials. Carbonyl halides.

Section XI. Toxicological information

11.1 Primary routes of exposure:

Routes of entry for solids and liquids are ingestion and inhalation but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Primary routes of entry:

Dermal contact.

Eyes.

Inhalation.

11.2 Acute toxicity effects:

Effects are known to the components, not the product as a whole.

Tetrachloroethylene	CAS# 127-18-4
LD50 Oral Rat	2,629 mg/kg
LD50 Dermal Rat	>1,000 mg/kg
LC50 Inhalation Rat	27.8 mg/l 4 hours

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11.2 Chronic toxicity effects:

Repeated dose toxicity:

Skin irritation, eye irritation.

Genetic toxicity:

Not classified.

Carcinogenicity:

Tetrachloroethylene CAS 127-18-4) 2A Probably carcinogenic to humans.

Reproductive toxicity:

Suspected of causing reproductive toxicity to the unborn child.

Teratogenicity:

Not classified.

Other information:

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

11.2 Symptom of exposure:

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further symptoms and/or effects are not known so far.

Section XII. Ecological information

12.1 Ecotoxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistency and degradability:

No data is available on the degradability of any component.

12.3 Bioaccumulative potential:

Partition coefficient n-octanol/water (low Know)

Tetrachloroethylene 3.4

12.4 Mobility in soil:

No data available.

12.5 Other Adverse effects:

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No other adverse environmental effects are expected from this component.

Section XIII. Disposal considerations

13.1 Waste disposal of substances:

This material must be disposed in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized whenever possible. Flammable vapors may accumulate in the container.

13.2 Hazardous waste codes:

D039: Waste Tetrachloroethylene

F001: Waste Halogenated Solvent – Spent Halogenated Solvent Used in Degreasing

F002: Waste Halogenated Solvent – Spent Halogenated Solvent

13.3 Contaminated packaging:

Since emptied containers may retain residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section XIV. Transport Information

14.1 Land transport:

USDOT

UN Number
Class

UN1950
2.2



Propper shipping name
Subsidiary risk
Other information
Special transport precautions

AEROSOLS, poison, limited quantity
6.1 (PGIII)
No supplementary information
Do not handle until safety precautions
have been read and understood.

14.2 Sea transport:

IMDG

UN Number
Class

UN1950
2.2

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Subsidiary risk	6.1 (PGIII)
Proper shipping name	AEROSOLS
Other information	No supplementary information
Marine pollutant	Yes, but exempt from the regulations.
Special transport precautions	Do not handle until safety precautions have been read and understood.

14.3 Air transport:

IATA/ICAO

UN Number	UN1950
Class	2.2
Subsidiary risk	6.1 (PGIII)
Proper shipping name	AEROSOLS, non- flammable, containing substances in Division 6.1, Packing Group III
Other information	No supplementary information
Special transport precautions	Do not handle until safety precautions have been read and understood.

Section XV. Regulatory information

15.1 Federal regulations:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR, Subt. D)

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not Listed

US EPCRA (SARA Title III) Section 313 – Toxic Chemical: Listed Substance

Tetrachloroethylene (CAS # 127-18-4)

CERCLA Hazardous Substance List (40 CFR 302.4)

Tetrachloroethylene (CAS # 124-18-4)

CERCLA Hazardous Substances: Reportable quantity

Tetrachloroethylene (CAS # 124-18-4) 100 lbs

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Tetrachloroethylene (CAS # 127-18-4)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

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Not regulated

Safe Drinking Water Act (SDWA) Contains component(s) regulated under the SDWA.

Food and Drug Administration (FDA) Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Classified hazard categories Gas under pressure.
Skin corrosion or irritant.
Serious eye damage or eye irritation.
Respiratory or skin sensitization.
Carcinogenicity.
Specific target organ toxicity (single or repeated exposure)

US California Proposition 65 – Carcinogens and Reproductive Toxicity (CRT): Cancer

Tetrachloroethylene CAS # 127-18-4 Listed April 1, 1988

U.S. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit.22, 69502.3, subd. (a))

Tetrachloroethylene CAS # 127-18-4 Listed April 1, 1988

Volatile organic compounds (VOC) regulations

EPA

VOC content (40 CFR 51.100(s)) 0%

Consumers products (40 CFR 59, Subpt. C) Not regulated

State

Consumer Products

This product is regulated as a Brake Cleaner. This product is not compliant to be sold for use in California and New Jersey. This product is compliant in all other states.

US States Right to know:

Massachusetts

Tetrachloroethylene (127-18-4)

Carbon Dioxide (124-38-9)

New Jersey

Tetrachloroethylene (127-18-4)

Carbon Dioxide (124-38-9)

Carbon Dioxide (124-38-9)

Pennsylvania

Tetrachloroethylene (127-18-4)

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Carbon Dioxide (124-38-9)

Rhode Island

Tetrachloroethylene (127-18-4)

Carbon Dioxide (124-38-9)

Section XVI. Other information

SDS Prepared by:

Sicamu.

SDS prepared on: 2020/04/21.

We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Many factors may affect processing or application/use, we recommend that you make tests to determine the stability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose are made regarding products described or designs, data or information set forth, or that the products, designs, data, or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data, or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the description, designs data and information furnished hereunder are given freely and we assume no obligation or liability for the description, design, data, and information given or results obtained, all such being given and accepted at your risk.