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Section I. Identification

1.1 Product identifier

Product name	SQ Non-Chlorinated Brake Cleaner
Product number	0200
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

Flammable Aerosol	2	H225
Gases under Pressure (compressed gas)		H280
Aspiration Hazard	1	H304
Skin Corr./Irrit	2	H315
Serious eye damage	1	H318
Serious eye irritation	2A	H319
May cause drowsiness or dizziness	3	H336
Suspected damage fertility of the unborn child	2	H361
Specific target organ toxicity, single exposure	3	H336
May cause damage to organs (central nervous system, liver, heart)through prolonged or repeated exposure	2	H373
Short term (acute) aquatic hazard	1	H400
Harmful to aquatic life	3	H402
Long-term (chronic) aquatic hazard	1	H410

2.2 Label elements

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GHS02 GHS04 GHS07 GHS08

Signal word (GHS-US)

Danger

Pictogram:

Flammable.

Content under pressure.

Health Hazard.

Hazard Statement:

H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapor.
H280	Contains gas under pressure. May explode if heated.
H304	May be fatal if swallowed and enters in airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
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.
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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):

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.
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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
67-64-1	40-60 %	2-propanone
108-88-3	15-20 %	Methylbenzene
142-82-5	15-20%	Heptane
67-56-1	10-15 %	Methyl Alcohol
124-38-9	1-5 %	Carbon Dioxide

Section IV. First aid measures

4.1 Description of first aid measures

General advice:

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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:

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

Inhalation: can cause central nervous system (CNS) depression. 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:

Carbon dioxide, dry chemicals, halons of foam.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture:

Fire hazard: flammable aerosol, products of combustion may include, and are not limited to: carbon dioxide, carbon monoxide.

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Explosion hazard: heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity: no dangerous reactions under normal circumstances.

5.3 Advice for firefighters:

Firefighting instructions: DO NOT FIGHT FIRE when fire reaches explosiveness. Evacuate area, use caution when fighting any chemical fire.

Protection during firefighting: keep upwind of fire. Wear full firefighting turn-out gear and respiratory protection (SCBA). Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. 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.

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 to form explosive concentrations. Vapors can accumulate in low areas.

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:

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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.

Section VIII. Exposure controls/personal protection

8.1 Components with occupational exposure limits:

2 Propanone CAS # 67-64-1

ACGIH	ACGIH TLV (ppm)	500 ppm
ACGIH	ACGIH STEL (ppm)	750 pp,
OSHA	OSHA PEL (TWA) (mg/m ³)	1,000 mg/m ³

Methylbenzene CAS# 108-88-3

ACGIH	ACGIH TWA (ppm)	20 ppm
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
OSHA	OSHA PEL (ppm)	300 ppm

Heptane CAS # 142-82-5

TWA	85 ppm 350 mg/m ³	USA NIOSH Recommended Exposure Limits.
C	440 ppm 1,800 mg/m ³ 15 minutes ceiling value.	USA NIOSH Recommended Exposure limits.
TWA	500 ppm 2,000 mg/m ³	USA Occupational Exposure Limits (OSHA) Table Z-1 Limits for air contaminants.
PEL	400 ppm 1,600 mg/m ³	California permissible exposure limit for chemical contaminants (Title 8, Article 107)

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STEL	500 ppm 2,600 mg/m ³	California permissible exposure limit for chemical contaminants (Title 8, Article 107)
TWA	400 ppm	USA ACGIH Threshold Limit Values (TLV) Central Nervous System impairment Upper Respiratory Tract irritation
STEL	500 ppm	USA ACGIH Threshold Limit Values (TLV)

Methyl Alcohol		CAS # 67-56-1
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	250 ppm
NIOSH	NIOSH TWA (mg/m ³)	325 mg/m ³
NIOSH	NIOSH STEL (ppm)	250 ppm

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:	characteristic, solvent.
Odor threshold:	not applicable.
Color:	clear.
pH value:	not available
Melting point/freezing point:	not available.
Boiling point:	132 F (2 Propanone)
Flash point:	-4 F (2 Propanone)
Flammability:	Extremely flammable aerosol.
Lower explosion limit:	2.6% (2 Propanone).
Upper explosion limit:	12.89% (2 Propanone).
Autoignition temperature:	no data available.
Vapor pressure:	2.4x10 ⁴ Pa (2 Propanone)
Density:	0.82 g/cm ³ @ 75 F.
Vapor density:	no data available.
Partitioning coefficient n-octanol/water (low Pow)	no data available.
Self-ignition temperature	no data available.
Thermal decomposition:	no decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	no data available.
Viscosity, kinetic:	no data available.
Solubility in water:	not soluble.
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.
VOC%	<=33%

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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. Flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.3 Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid:

Heat, flames, and sparks.

10.5 Incompatible materials:

Strong oxidizing agents.

10.6 Hazardous decomposition products:

May include, but not limited to, oxides of carbon and oxides of nitrogen.

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.

Acute toxicity:

Oral:

2 Propanone	(67-64-1)
LD50 oral rat	9,570 mg/kg
Methylbenzene	(108-88-3)

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LD50 oral rat	5,580 mg/kg
Heptane	(142-8-5)
LD50 Rat	5,000 mg/kg
Methyl Alcohol	(67-56-1)
LD50 oral rat	5628 mg/kg

Inhalation:

2 Propanone	(67-64-1)
LD50 inhalation rat	50,100 mg/m ³ 8 hours
Methylbenzene	(108-88-3)
LC50 inhalation rat	25.7 mg/l 4 hours
Heptane	(142-8-5)
LD50 Rat	29.29 mg/l 4 hours
Methyl Alcohol	(67-56-1)
LD50 inhalation rat	130.7 mg/l 4 hours

Dermal:

2 Propanone	(67-64-1)
LD50 dermal rabbit	20,000 mg/kg
Methylbenzene	(108-88-3)
LD50 dermal rabbit	>5,000 mg/kg
Heptane	(142-8-5)
LD50 Rabbit	2,000 mg/kg
Methyl Alcohol	(67-56-1)
LD50 dermal rabbit	15,800 mg/kg

Irritation/corrosion:

Not classified.

Eye:

Not classified.

Respiratory or Skin Sensitization:

Not classified.

11.2 Chronic toxicity effects:

Repeated dose toxicity:

Skin irritation, eye irritation.

Genetic toxicity:

Not classified.

Carcinogenicity:

Not classified.

Reproductive toxicity:

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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 Toxicity:

Toxicity is known to the components, not the product as a whole.

Ecology General

No substances are classified as dangerous to the environment according to the criteria of regulation EC No 1272/2008

Ecology Air

No substances included in the list of fluorinated greenhouse gases (regulation EU No 517/2014). Not classified as dangerous to the ozone layer (Regulation EC No 1005/2009).

Ecology water” Toxic to crustacea and fish. Groundwater pollutant. Fouling to shoreline. Inhibits photosynthesis of algae. Harmful to bacteria. Taste alteration in fish and aquatic organisms.

2 Propanone	(67-64-1)
Fish LC50	5,540 mg/l 96 h
Invertebrates EC50	8,800 mg/l 48 h

Methylbenzene	(108-88-3)
Fish LC50	5.5 mg/l 96 h

Heptane	(142-8-5)
Invertebrates EC50	1.5 mg/l 48 h

Methyl Alcohol	(67-56-1)
Fish LC50	19,500-20,700 mg/l 96 h

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12.2 Persistency and degradability:

All components are biodegradable.

Methylbenzene (108-88-3)

Biochemical oxygen demand (BOD): 2.15 g/O₂ substance

Chemical oxygen demand (COD): 2.52 g/O₂ substance

ThOD: 3.13 g/O₂ substance

BOD (% of ThOD): 0.69

Heptane (142-8-5)

Biodegradability: Aerobic – exposure time 10 days.
Result 56% readily biodegradable.

Biochemical Oxygen Demand 1,920 mg/g

Theoretical Oxygen Demand 3,500 mg/g

Ratio BOD/ThBOD 55%

12.3 Bioaccumulative potential:

Methylbenzene (108-88-3)

BCF Fish 1 90 (72 H)

Log Pow 2.73

Bioaccumulative potential Low potential for bioaccumulation (BCF<500)

12.4 Mobility in soil:

No data available.

12.5 Result of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other Adverse effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Additional ecological: Do not empty into drains. Avoid release to the environment.

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.

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Section XIV. Transport Information

14.1 Land transport:

USDOT

UN Number

UN1950

Class

2.1



Proper shipping name

AEROSOLS, flammable, limited quantity

Other information

No supplementary information

Special transport precautions

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

14.2 Sea transport:

IMDG

UN Number

UN1950

Class

2.1

Proper shipping name

AEROSOLS, flammable, limited quantity

Other information

No supplementary information

Special transport precautions

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

14.3 Air transport:

IATA/ICAO

UN Number

UN1950

Class

2.1

Proper shipping name

AEROSOLS, flammable, limited quantity

Other information

No supplementary information

Special transport precautions

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

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Section XV. Regulatory information

15.1 Federal regulations:

SARA 302 Components

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

SARA 311/312 (Specific toxic chemical listings)

Fire hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components

The following components are subject to reporting levels established by SARA title III, Section 313:

	Cas Number	Revision date
Methylbenzene	108-88-3	2007-07-07
Methyl Alcohol	67-56-1	

RCRA (hazardous waste code)

	Cas Number	Waste Code
2 Propanone	67-64-1	U002
Methylbenzene	108-88-6	U220
Methyl Alcohol	67-56-1	U154

TSCA (Toxic Substances Control act)

All the ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

	Cas Number	Quantity
2 Propanone	67-64-1	5,000 lbs
Methylbenzene	108-88-6	1,000 lbs
Methyl Alcohol	67-56-1	500 lbs

US California Proposition 65 – Carcinogens and Reproductive Toxicity (CRT) This product contains a substance known to the state of California to cause birth defects or other reproductive harm.

Methylbenzene (108-88-6)

US California Proposition 65 – Carcinogens List	No
US California Proposition 65 – Developmental Toxicity	Yes
US California Proposition 65 – Reproductive Toxicity – Female	Yes
US California Proposition 65 – Reproductive Toxicity – Male	No
Maximum allowable dose level (MADL) inhalation	13,000 µg/day
Maximum allowable dose level (MADL) oral	7,000 µg/day

Methyl Alcohol (67-56-1)

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US California Proposition 65 – Carcinogens List	No
US California Proposition 65 – Developmental Toxicity	Yes
US California Proposition 65 – Reproductive Toxicity – Female	No
US California Proposition 65 – Reproductive Toxicity – Male	No
Maximum allowable dose level (MADL) inhalation	47,000 µg/day
Maximum allowable dose level (MADL) oral	23,000 µg/day

US States Right to know:

Massachusetts

2 Propanone (67-64-1)

Methylbenzene (108-88-3)

Methyl Alcohol (67-56-1)

Carbon Dioxide (124-38-9)

New York

2 Propanone (67-64-1)

Methylbenzene (108-88-3)

Methyl Alcohol (67-56-1)

New Jersey

2 Propanone (67-64-1)

Methylbenzene (108-88-3)

Methyl Alcohol (67-56-1)

Carbon Dioxide (124-38-9)

Pennsylvania

2 Propanone (67-64-1)

Methylbenzene (108-88-3)

Methyl Alcohol (67-56-1)

Carbon Dioxide (124-38-9)

NFPA Hazard Codes:

Health: 2 **Fire:** 3 **Reactivity:** 0 **Special:**

Section XVI. Other information

SDS Prepared by:

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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.