Sicamu, Inc.
1066 Strong Road
Quincy, Fl, 32351
850-2706283

SECTION I. IDENTIFICATION	
Name of the Manufacturer:	**SICAMU Inc.**
Commercial name:	**Non-Chlorinated Brake Cleaner**
Address:	**Manufacturer:** 1066 Strong Road, Quincy, Fl, 32351 Telf.: +1 (850) 270.62. 83 Fax: +1 (850) 875.45.18
Type of product:	Automotive, Car care.

SECTION II. HAZARD IDENTIFICATION	
Hazard classification:	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Extremely Flammable Aerosols Acute toxicity – Oral Category 4 Acute toxicity – Dermal Category 4 Acute toxicity – Inhalation (Dust/mist) Category 4 Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2 Specific target organ toxicity (single exposure) Category 1
Label Elements:	 Danger Extremely Flammable Aerosol, contains gas under pressure, may explode if heated. Appearance: Clear Physical state: liquid Odor: solvent Health hazard: 2 Flammability: 4 Instability: 0
Hazard Statement:	Harmful if swallowed, inhaled or contact with skin. Causes damage to organs, optic nerve, and central nervous system. May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Causes skin and serious eye irritation. Harmful if swallowed, repeated exposure can cause skin dryness or cracking. Inhalation can cause auditory dysfunction and effects on color vision.

Precautionary Statements (prevention):	Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke while using this product. Wear protective gear (gloves, glasses, clothing, respirator) Use in well ventilated area, preferably outdoors. Do not breathe dust/fume/vapors.
Precautionary Statements (response):	Eyes: rinse with abundant water for fifteen minutes. Remove contact lenses if possible. Immediately call poison center or physician. Skin: remove all contaminated clothes. Rinse with water and soap. Rinse skin with abundant water. Immediately call poison center or physician. Inhaled: remove victim to fresh air and keep in a comfortable position for breathing. Contact poison center or physician if person feels unwell. Swallowed: Do not induce vomit. Immediately call poison center or physician.
Storage and disposal:	Store in cabinet, keep out of reach of children and pets. Dispose contents/container to an approved waste disposal plant. Do not expose to temperatures exceeding 50°C/122 F.
Hazards not otherwise classified (HNOC) other information	Unknown acute toxicity.

SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS		
Name	**CAS**	**% Weight**
2-propanone	67-64-1	40-60
Methyl Alcohol	67-56-1	10-30
Methylbenzene	108-88-3	1-10
Distillates (Petroleum), Hydrotreated light	64742-47-8	15-25
Carbon Dioxide	124-38-9	5-10

SECTION IV. FIRST-AID MEASURES	
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact:	Rinse with water and soap. If symptoms develop obtain medical attention.
Inhalation:	Remove to fresh air. If not breathing, clear airway and start artificial respirator. If victims is having trouble breathing, give supplemental oxygen, if available get medical attention.
Ingestion:	Immediately drink large quantities of water. Get medical attention. Do not force anything to an unconscious person.
Most important symptoms and effects, both acute and delayed:	May cause damage to the optic nerve, and the central nervous system.
Indication of any immediate medical attention and special treatment if needed:	If swallowed do not induce vomiting. Get immediate medical attention.

SECTION V. FIRE-FIGHTING MEASURES

Extinguishing media:	Carbon dioxide, dry chemical, alcohol foam. Do not use spray water or water jet.
Hazard during fire-fighting:	Highly flammable vapors with flash point below 70F.
Special fire fighting procedures:	Self-contained breathing apparatus and protective clothig should be worn. Vapors are flammable and heavier than air, may travel across the ground and reach remote ignition sources causing flashback fire.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. For guidance on selection of personal protective equipment refer to Section VIII. For disposal refer to Section XIII. Observe the relevant local and international regulations.

Protective measures: avoid contact with skin and eyes. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Keep away from heat, flames or ignition sources. Do not smoke while using this product. Avoid breathing vapors.

Clean up methods: Avoid accidents, clean up immediately. Prevent from spreading. Reclaim liquid directly or in an absorbent. Soak up residue with an absorbent such as clay, sand or other suitable materials and dispose properly.

Additional advice: inform local authorities of large spills.

SECTION VII. HANDLING AND STORAGE			
Storage temperature:	Max: 50°C (122 F)	Min:	0 °C (32 F)
Handling and storage:	Storage in a dry, cool, ventilated area. Prevent leaks. Keep away from sparks and ignition sources. Do not inhale, ingest or squirt to the eyes. Keep out of the reach of children. Do not puncture or burn the container. Product should not enter in contact with strong acids, strong bases or strong oxidizing agents.		

SECTION VIII. EXPOUSURES CONTROL/PERSONAL PROTECTION	
Eye protection:	Wear protective gear.
Skin protection:	Suitable gloves if prolonged skin contact is expected.
Respiration and ventilation:	If exposure limits are exceeded or irritation is experienced NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice.
Exposure limits:	Not stablished for the product as a whole. Refer to table below for components occupational limits.

		(8hr TWA)		**(STEL)**		
SUBSTANCE.	**CAS No.**	**PEL (OSHA)**	**TLV (ACGIH)**	**PEL (OSHA)**	**TLV (ACGIH)**	**Note:**
2 propanone	67-64-1	1000	500	------	750	^NIC
Methanol	67-56-1	200 ppm	200 ppm	----	250 ppm	None
Methylbenzene	108-88-3	200	20	300*	------	*10-min. Ceiling
Carbon dioxide	124-38-9		5000 ppm		30,000 ppm	

^NIC = Notice of Intended Changes (ACGIH®);

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Liquid.
Form	Aerosol.
Color	Clear.
Odor	Solvent.
Odor threshold	No data available
pH	Not available.
Melting point/freezing point /boiling point	No data available
Flash point	-17 C (2-propanone)
Evaporation rate	No data available
Flammability (solid, gas)	Extremely Flammable aerosol.
Vapor pressure	$2.4x10^4$ Pa (2-propanone)
Relative vapor density at 20 °C	No data available
Relative density :	0.87
Solubility	Not soluble
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Heat of Combustion	No data available
Flame Projection	No data available
Flashback	No data available

SECTION X. STABILITY AND REACTIVITY	
Stability:	Stable.
Conditions to avoid:	Extremes of temperature. Open flame, ignition sources. Strong oxidizing agents.
Incompatibilities:	Strong oxidizing agents.
Hazardous decomposition:	Carbon monoxide, carbon dioxide, acrid smoke.

SECTION XI. TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation**,** Skin Contact**,** Eye Contact

Information on toxicological effects

Methyl Alcohol (CAS No 67-56-1)

Acute toxicity *	LD50 (oral, monkey): 7000 mg/kg-bw LD0 (oral, rat): ≥ 2528 mg/kg-bw LC50 (inhal., cat, 6-hours): 43.68 mg/L LC50 (inhal., monkey, 4-hours): 52 mg/L Ingestion may damage the optic nerve. May cause dizziness and drowsiness.
Irritation	May cause eye irritation.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	NOAEC (2-yr. inhal., mouse): ≥ 1.3 mg/L
Developmental Toxicity	Negative. Not a specific developmental toxin.
Toxicity for reproduction	Negative. Not a specific reproductive toxin.
Mutagenicity	Negative

Carcinogenicity

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Other information

*ATE = Acute Toxicity Estimate for purposes of classification

- ATE (oral) = 100 mg/kg
- ATE (dermal) = 300 mg/kg
- ATE (inhalation) = 3 mg/L

2-propanone (CAS No. 67-64-1)

Acute toxicity	Oral LD50 = 5800 mg/kg (rat) Dermal LD50 >15800 mg/kg (rabbit) Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.
Irritation / Corrosivity	Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	Oral NOAEL = 900 mg/kg/day (rat) (90-days) Inhalation NOAEL ≥ 19,000 ppm (rat)
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity	Negative
Toxicity for reproduction	Negative
Other information	None known.

Methylbenzene (CAS No. 108-88-3)

Acute toxicity	Oral LD50 = 5580 mg/kg (rat) Dermal LD50 >5000 mg/kg (rabbit) Inhalation LC50 (4 hour(s)) 28.1 mg/l (rat) - Vapours may cause drowsiness and dizziness.
Irritation / Corrosivity	Causes serious eye irritation. Causes skin irritation.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	Inhalation NOAEC = 1131 mg/m^3 (rat), 2 Year(s) - May cause damage to organs through prolonged or repeated exposure: neuropsychological effects, auditory dysfunction and effects on colour vision.
Carcinogenicity	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity	There is no evidence of mutagenic potential.
Reproductive toxicity	Suspected of damaging the unborn child. NOAEC: 2.8 mg/liter (rat)

SECTION XII. ENVIRONMENTAL INFORMATION

Methylbenzene (CAS No. 108-88-3)

Acute toxicity	LC50 (96 hour): 5.5 mg/l (*Oncorhynchus kisutch*) EC50 (48 hour): 3.78 mg/l (*Ceriodaphnia dubia*) EC50 (3 hour): 134 mg/l (Algae)
Long Term Toxicity	NOEC (40 days): 1.39 mg/l (*Oncorhynchus kisutch*) NOEC (7 days): 0.74 mg/l (*Ceriodaphnia dubia*)
Persistence and degradability	Readily biodegradable.
Bio accumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	Highly volatile.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.

Other adverse effects	None known.

2-propanone (CAS 67-64-1)	
Ecology-general	Not classified as dangerous for the environment according to the criteria of Directive 67/548/EEC. Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology-air	Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009). Not included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006). TA-Luft Klasse 5.2.5.
Ecology-water	Not harmful to fish (LC50(96h) >1000 mg/l). Not harmful to invertebrates (Daphnia). Not harmful to algae (EC50 >1000 mg/l). Not harmful to plankton. Inhibition of activated sludge.
LC50 fish 2	5540 mg/l (LC50; EU Method C.1; 96 h; Salmo gairdneri; Static system; Fresh water; Experimental value)
EC50 Daphina 2	12600 mg/l (LC50; Other; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Persistence and biodegradability	
Persistence and biodegradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No test data on mobility of the substance available.
Biochemical oxygen demand (BOD)	1.43 g O_2/g substance
Chemical oxygen demand (COD)	1.92 g O_2/g substance
ThOD	2.20 g O_2/g substance
BOD (% of ThOD)	0.872 (20 days; Literature study)
Bio accumulative potential	
BCF Fish 1	0.69 (BCF)
BCF other aquatic organisms 1	3 (BCF: BCFWIN)
Log Pow	-0.24 (test data)
Bio accumulative potential	Not bio accumulative
Mobility in soil	
Surface tension	0.0237 N/m

SECTION XIII. DISPOSALL INFORMATION

Disposal:	Material used to contain large spills should be disposed in accordance with local laws and regulations. Do not dispose into environment, in drains or in water courses. Disposal should be in accordance with applicable regional, national regulations. Do not reuse container.

SECTION XIV. TRANSPORT INFORMATION	
Transportation:	Proper shipping name: aerosols flammable. UN Number: 1950 (US DOT, IMDG, ICAO/IATA) Transport hazard class: 2.1(US DOT, IMDG, ICAO/IATA) EPA SARA Title III Chemical Listings: Section 302 Extremely Hazardous Substances: Methyl Alcohol (Cas No 67-56-1). Methylbenzene (Cas No 108-88-3) Section 311/312 Hazard Class: Acute: Yes, Chronic: Yes, Fire: Yes, Pressure: Yes, Reactive: No Section 313 Toxic Chemicals: Methyl Alcohol (Cas No 67-56-1). Methylbenzene (Cas No 108-88-3)

SECTION XV. REGULATORY INFORMATION

2-propanone (CAS #67-64-1)
Listed on the US TSCA (Toxic Substance Control Act) inventory
RQ (Reportable quantity, section 304 of EPA's list of lists) 5000 lb
SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard. Fire hazard.
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

International Inventories

TSCA Complies
DSL Does not comply
U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Methyl alcohol	67-56-1	15-40	1.0
Methylbenzene	108-88-3	3-7	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes

Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	Yes
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Methylbenzene	1000 lb	X	X	X

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 and 2 Ozone Depletors
Methyl alcohol	67-56-1	15-40	Present	Group IV	
Methylbenzene	108-88-3	10-20		Group I	

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Methyl alcohol	5000 lb	
Methylbenzene	1000 lb	

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Methylbenzene	108-88-3	Developmental

U.S. State Right-to-Know Regulations:

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Methylbenzene	X	X	X	X	X
Carbon Dioxide	X	X	X	-	
Methyl alcohol	X	X	X	X	X

SECTION XVI. OTHER INFORMATION

Distributed by: Authorized dealers.

Sicamu, Inc.
1066 Strong Road
Quincy, Fl, 32351
850-2706283

Written by:	Antonio Pons, Technical Director, VP of Operations
Date:	January 02, 2.017

Guarantee waiver:

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If clarification or further information is required, the user is responsible for contacting Sicamu Inc. to receive any additional information that he may require.
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