




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

SECTION I. IDENTIFICATION

Name of the Manufacturer:	SICAMU Inc.
Commercial name:	5 in 1 Multipurpose Lubricant
Address:	Manufacturer: 1066 Strong Road, Quincy, FL, 32351 Telf.: +1 (850) 270.62. 83 Fax: +1 (850) 875.45.18
Type of product:	Multipurpose lubricant oil.

SECTION II. HAZARD IDENTIFICATION

Hazard classification:	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) 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:	 <p>Danger Flammable Aerosol, contains gas under pressure, may explode if heated. Appearance: Clear Physical state: liquid Odor: Lime Health hazard: 2 Flammability: 2 Instability: 0</p>
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.



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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	5-10
d-Limonene	5989-27-5	0.1-1
N-phenyl-1-naphthylamine	90-30-2	0.1-0.2
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.



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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)
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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.
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SECTION VIII. EXPOSURES 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 established for the product as a whole. Refer to table below for components occupational limits.

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
2-propanone	67-64-1	1000	500	-----	750	^NIC
d-Limonene	5989-27-5		30			
N-phenyl-1-naphthylamine	90-30-2	5-15				
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	Yellow.
Odor	Citric.



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Odor threshold	No data available
pH	Not available.
Melting point/freezing point /boiling point	No data available
Flash point	-17 C 2-propanone/ 220 C Oil
Evaporation rate	No data available
Flammability (solid, gas)	Flammable aerosol.
Vapor pressure	2.4x10 ⁴ PA 2-propanone/0.5 Oil
Relative vapor density at 20 °C	No data available
Relative density :	0.88
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	0 inches
Flashback	None

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



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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.

d-Limonene:

Acute effects: d-Limonene has been shown to have low oral toxicity (LD50>5 g/kg) and low dermal toxicity (LD50> 5g/kg) when tested on rabbits. d-Limonene has also shown low toxicity by inhalation (RD50>1 g/kg) when tested on mice. Product may be a skin and eye irritant. Inhalation may cause irritation of the nose, throat, and respiratory tract. LC50: Not established.

Chronic Effects This product is not classified as a carcinogen by IARC or U.S. ACGIH, NTP or OSHA. This product has not been shown to produce genetic changes when tested on bacterial or animal cells. This product does not contain known reproductive or developmental toxins.

Highly refined mineral oil:

No carcinogenicity classification.

SECTION XII. ENVIRONMENTAL INFORMATION	
Highly refined Mineral Oil	
Basis for assessment	Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for



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	individual component(s).(LL/EL/IL50 expressed as the nominal amount of product required to prepare aqueous test extract)
Toxicity to fish (acute)	Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
Toxicity to crustacean (acute)	Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
Toxicity to algae/aquatic plants (acute)	Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l
N-phenyl-1-naphthylamine	M-factor (acute aquatic toxicity): 1
Persistence and biodegradability	
Biodegradability	Expected to be not readily biodegradable., Major constituents are expected to be inherently biodegradable, but contains components that may persist in the environment
Bio accumulative potential	
Bio accumulation	Contains components with the potential to bioaccumulate.
Partition coefficient: n-octano/water	Pow: > 6Remarks: (based on information on similar products)
Mobility in soil	
Mobility	Liquid under most environmental conditions., If it enters soil, it will adsorb to soil particles and will not be mobile.

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 Daphnia 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



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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

d-Limonene (CAS 5989-27-5)	
Ecotoxicity	This product may be very toxic to aquatic life. However due to the physical properties of the product (density and volatility) it will not remain in the environment for an extended period of time.
Persistence/degradability	Readily biodegradable
Bio accumulation	The octanol-water partition coefficient (Kow) for d-limonene is 4.23. The potential for bioaccumulation in the environment is possible. However, the metabolism of citrus extractives into non-accumulating metabolites greatly reduces the risk of bioaccumulation.
Mobility in environment	Citrus extractives volatilize rapidly. Citrus extractives are expected to volatilize from soil or water to the air and oxidize to carbon dioxide in the presence of sunlight.

SECTION XIII. DISPOSAL 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

Department of Transportation (DOT)
In accordance with DOT
Transport document description : Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1
UN-No.(DOT) : UN1950
Proper Shipping Name (DOT) : Aerosols flammable, (each not exceeding 1 L capacity)



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Class (DOT) : 2.1 - Class 2.2 - Flammable gas 49 CFR 173.115
Hazard labels (DOT) : 2.1 – Flammable gas



Other information : No supplementary information available.
Special transport precautions : Do not handle until all safety precautions have been read and understood.

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.

Highly refined Mineral Oil

Other regulations: Environmental Protection Act 1990 (as amended). Health and Safety at Work etc. Act 1974. Consumers Protection Act 1987. Pollution Prevention and Control Act 1999. Environment Act 1995. Factories Act 1961. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (as amended). Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). Control of Major Accident Hazards Regulations 1999 (as amended). Renewable Transport Fuel Obligations Order 2007 (as amended). Energy Act 2011. Environmental Permitting (England and Wales) Regulations 2010 (as amended). Waste (England and Wales) Regulations 2011 (as amended). Planning (Hazardous Substances) Act 1990 and associated regulations. The Environmental Protection (Controls on Ozone-Depleting Substances) Regulations 2011.

D-Limonene

This product is included in the following inventories:



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USA (TSCA)
Canada (DSL)
Europe (EINECS/ELINCS/Polymer/NLP)
Australia (AICS)
Korea (KECL)
Japan (ENCS)
China (IECSC)
New Zealand (HSNO)

The U.S. FDA lists d-Limonene as GRAS in 21 CFR sections 182.20 and 182.60 United States Regulations Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition. SARA Title III (Section 313) This substance contains no materials subject to the reporting requirements of SARA Title III (Section 313).

N-phenyl-1-naphthylamine (90-30-2)

It is found on the following regulatory lists; "Canada Domestic Substances List (DSL)", "OECD Representative List of High Production Volume (HPV) Chemicals", "US - Connecticut Hazardous Air Pollutants", "US EPA High Production Volume Program Chemical List", "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory", "US TSCA Section 8 (a) - Preliminary Assessment Information Rules (PAIR) - Reporting List", "US TSCA Section 8 (d) - Health and Safety Data Reporting"

SECTION XVI. OTHER INFORMATION	
Distributed by:	Authorized dealers.
Written by:	Antonio Pons, Technical Director, VP of Operations
Date:	January 02, 2017
Guarantee waiver:	<p>This information is accurate and reliable to the best knowledge of Sicamu Inc. No representation, warranty or guarantees are made to its accuracy, reliability or completeness. All users are encouraged to review this SDS in the context of how to use and handle this product. Users are responsible for any interpretation and/or use of this information and of this product.</p> <p>If clarification or further information is required, the user is responsible for contacting Sicamu Inc. to receive any additional information that he may require.</p> <p>Our responsibility for products sold is subject to our standard terms and conditions. A copy of which is available on request.</p>