


Material Safety Data Sheets

1. PRODUCT AND COMPANY IDENTIFICATION	
Product Name: Concentrat chain cleaner	
Product NO : C133	
Recommended use of the Chemical and restrictions on use	Dissolves and breaks down heavy greases, oils and Hydraulic fluids from any water safe surface.
Supplier's Name & Address	Lifu Bicycle Co., Ltd. No. 4, Lane 11, Tzu-Chiang Street, Tu-Cheng Dist., New Taipei City, Taiwan 23678
Emergency Tel. Number	TEL:886-2-22687367 FAX:886-2-22681947

2. HAZARD IDENTIFICATION		
GHS label elements, including precautionary statements	Symbols	
	Signal word	Warning
	Hazard statement	May be harmful if swallowed (oral) Prolonged skin contact may cause irritation. Eye contact may cause eye irritation. Can be toxic to aquatic life. Keep out of sewers and waterways.
	Precautionary statement	If necessary, wear eye protective glasses and use rubber gloves. Keep tightly closed in a dry, cool and well-

		ventilated place.
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Other hazards which do not result in classification	None
Classification of the substance or mixture	Skin corrosion/irritation category 2 eye damage/irritation category 2A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures	
Polyoxyethylene C12C13 ether C12C13 CAS#70694-96-1 <5%	
Chemical Identity	Concentration Ranges
Coconut oil fatty acid CAS# 61788-47-4	<20%
Sodium Metasilicate CAS#1344-09-8	<60%
beta-Citronellol CAS# 106-22-9	<3%
water CAS#7732-18-5	<17%

4. FIRST-AID MEASURES

Description of Necessary first-aid measures	Inhalation	No specific first aid measures are required
	Skin Contact	Immediately flush with plenty of water. If Irritation develops, get medical attention. Take off cloth and wash clean immediately.
	Eye Contact	Immediately flush with plenty of Water for at least 15 minutes, if irritation Persists, get medical attention.
	Ingestion	Drink 2 glasses of Orange juice. Do not Induce vomiting .Get medical attention Immediately.
Most important symptoms/effects, acute and delayed		Cause eye and skin irritation.
(PPE)for first-aid responders		None

Indication of immediate medical attention and special treatment needed	None
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5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media	Water · Dry chemicals · Foam.
Specific hazards arising from the Chemicals	None
Specific methods	Not Applicable
Special protective equipment and Precautions for fire fighters	As in any fire, wear self-contained breathing apparatus Pressure-demand, MSHA/NIOSH(approved or Equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, Protective equipment and Emergency procedures	Use personal protective equipment
Environmental precautions	This material is a water pollutant and should be prevented from Contaminating soil or from entering sewage and drainage Systems and bodies of water.
Cleaning up methods	Small spill: Clean up with sand or other suitable absorbing Materials. Carefully scoop or sweep up into a Waste container for disposal. Large spill: Implement cleanup procedures by using the above-Mentioned absorbing materials. Keep public away and advise Authorities.

7. HANDLING AND STORAGE	
Precautions for safe handling	Avoid contact with skin, eyes, clothing
	Wash thoroughly after handling
	Do not reuse this packaging for storing beverages or liquids

	Do not mix with other chemicals
Storage	Keep tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION			
Appropriate engineering controls	Working area: No special ventilation requirements. General Room ventilation is adequate.		
Control parameters			
PEL-TWA			
Sodium Hydroxide	2mg/m ³	PEL-STEL	4mg/m ³
Sodium Metasilicate	N/A		N/A
PEL-CEILING	Not determined	BEIs	Not determined
Personal Protection Equipment (PPE)			
Respiratory protection	No information available under normal use conditions. Need protection when spray.		
Eye protection	Wear eye protection glasses when spray.		
Hand protection	Use rubber gloves		
Skin and body protection	Wear protection clothes to prevent skin contact.		
Hygienic measures	Handle in accordance with good industrial hygiene and safety practice.		

9. PHYSICAL AND CHEMICAL PROPERTIES			
Appearance			
Physical State	aerosol spray	Color	Transparent
Shape	None	Odor	Moderate
pH Value	9.2±1	Odor threshold	N/A
Melting point/range	None	Boiling point/range	N/A
Flammability	Non-Flammable	Flash point	None

Decomposition Temperature	None	Auto-ignition temperature spontaneous combustion	N/A
Vapor pressure	N/A	Upper/lower flammability or Explosive limits	N/A
Density	1.07±0.2	Vapor density	N/A
Partition coefficient (n-octanol/water)	N/A	Solubility	Soluble in water
Evaporation Rate	N/A		

10. STABILITY AND REACTIVITY

Chemical stability	This product is stable	
Possibility of hazardous reactions	N/A	
Conditions to avoid	Avoid high and extreme low temperature,	
Incompatible materials	Strong oxidizers such as nitric and sulfuric acids	
Hazardous decomposition products	None	

11. TOXICOLOGICAL INFORMATION

Routes of exposure	Skin contact, eye contact, inhalation	
Symptoms	Skin contact	May cause skin irritation
	Eye contact	Cause eye irritation
	Inhalation	None

	Ingestion	Not likely route of exposure. . If swallowed, May cause gastrointestinal disturbances, vomiting.
Acute toxicity	None	
Interactive effects	N/A	
Chronic toxicity or long-term toxicity	Prolonged skin contact may cause irritation	

12. ECOLOGICAL INFORMATION

Toxicity	N/A	
Persistence and degradability	Air	: N/A
	Water	: N/A
	Groundwater	: N/A
	Soil	: N/A
Bio-accumulative potential	N/A	
Mobility in soil	Mobility	
Other adverse effects	N/A	

13. DISPOSAL CONSIDERATIONS

Disposal methods	Dispose of according to local applicable regulations
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14. TRANSPORT INFORMATION

UN No.	None
UN Proper shipping name	None
Transport hazard class	None
Packing group	Plastic container
Marine pollutant (Y/N)	No
Special precautions	None

15. REGULATORY INFORMATION
Applicable laws and regulations:
1. Regulation on the Labour Safety and Health Facilities
2. General Rule on Dangerous Harmful Materials
3. Standards on the concentration Limits of Harmful Materials in the Air at Workplace
4. Road Traffic Safety Rules
5. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

16. OTHER INFORMATION		
Reference	GHS	
Prepared by	Company name	Lifu Bicycle Co., Ltd.
	Address/Tel.	No. 4, Lane 11, Tzu-Chiang Street, Tu-Cheng Dist., New Taipei City, Taiwan 23678
Prepared by	Title: G. Manager	Signature : Alex Hsiao
Prepare date	2019/2/10	

This information is for the collection of the latest relevant information written in, but not yet make perfect; Users should be responsible for their safety.