

TAKEXCO Malaysia Sdn. Bhd.  
Creation Date: 12/Oct/2017  
Revision Date: 21/May/2019

## Safety Data Sheet

## 1. Product and Company Identification

Product name	TAKEX Clean (Reference Number:TX-34)
Company name	TAKEXCO Malaysia Sdn. Bhd. (1246074-T)
Address	Unit 08, Level 6, Menara MBMR, No.1, Jalan Syed Putra, 58000 Kuala Lumpur, Malaysia
Department	QC/QA Department
TEL	+60-3-2732-3986
FAX	+60-3-2732-3989
Recommended Use of The Product and Restrictions on Use	Sanitizer

## 2. Summary of Hazards

## GHS Classifications

Physical Hazards	Flammable liquids	Category 3
Health Hazards	Skin corrosion / irritation	Category 3
	Serious eye damage / eye irritation	Category 2A
	Other harm and/or hazards are not classified, not applicable or classification not possible.	

## Pictograms



## Signal Word:

Warning Warning

## Hazard Statement

Flammable liquid and vapor  
Mild skin irritation  
Serious eye irritation

## Precautionary Statement

Keep packaging closed.  
Keep this product away from ignition sources such as heat, spark, naked flame,  
and something with high temperature.  
Wear protective gloves, goggles, and facemask.  
Use explosion-proof electronic products, ventilators, and illuminators.  
Prevent ignition from static discharge and/or spark.  
Use the tool that does not generate the fire.

## Correspondence

In case of fire, extinguish the fire with large amount of water injection, fire  
extinguishers by foam, dry chemical, carbon dioxide.  
If on skin(or hair), remove contaminated clothes immediately.

## Storage

Rinse skin with water / shower  
Store in a cool/well ventilated place.

## Disposal

Dispose material in accordance with all applicable local, state and federal  
regulations.

## 3. Composition/Information on Ingredients

A single product or Mixture	Mixture
Product name	TAKEX Clean

Ingredients name	Chemical name	CAS No.
Ethanol*	C <sub>2</sub> H <sub>5</sub> OH	64-17-5
Bamboo Extract	-	-
Polyglycerol esters of fatty acids	Not disclose	Not disclose
Lactic acid	CH <sub>3</sub> CH(OH)COOH	79-33-4
Sodium lactate	CH <sub>3</sub> H <sub>5</sub> O <sub>3</sub> Na	867-56-1
Purified Water	H <sub>2</sub> O	7732-18-5

\*Denatured

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<b>4. First Aid Measures</b>	
Eye contact	Immediately remove contact lens and wash thoroughly with running water, eyes and upper/lower lids at least 15 minutes. If necessary, contact a physician.
Skin contact	Wash off with plenty of water and contact a physician if necessary.
Inhalation	Immediately remove the victim to fresh air or uncontaminated area. When condition is severe, call immediately emergency services and medical assistance.
Ingestion	After rinse the mouth with water again and again, give several cups of water to drink for diluting the effect and induce vomiting with fingers inserted into the throat if possible. Seek immediate medical treatments. If unconscious, give nothing orally. Don't try to make him/her vomit. Consult a doctor immediately.
<b>5. Fire Fighting Measures</b>	
Extinguishing media	Water spray, Fire foam, Fire powder, CO <sub>2</sub> .
Fire fighting ways	Cut off the combustion at origin of fire. Use appropriate media along with the condition of the fire.
Protection for fire fighters	Wear an appropriate respirator and chemical protective clothing during fire fighting.
<b>6. Accidental Release Measures</b>	
Personal Precautions	Let only authorized people enter.
Protective Equipment, and Emergency Measures	For avoiding physical contact with high concentration of material, put on appropriate protection such as protective glasses, gas mask and hose mask.
Environmental Precautions	Prevent this product from being released into the river that may affect on the environment. When this product is diluted with a large amount of water, prevent contaminated wastes from being released into the environment without appropriate treatment.
Recovery, neutralization, containment,	Cut off the source of leakage and collect leaking and spilling liquid in empty sealable containers as much as possible. Wash away remainder with plenty of water.
Preventive Measures against Secondary Disaster	Immediately remove adjacent ignition sources because this has volatility.
<b>7. Handling and Storage</b>	
<b>Handling</b>	
Technical Measures	Take engineering measures and wear protective equipment specified under "8. Exposure Controls/Personal Protection."
Local and General Ventilation	Take engineering measures specified under "8. Exposure Controls/ Personal Protection" for good ventilation.
Precautions	Avoid contact with or pouring into flammable or other possible fire sources. Do not vaporize or heat up it. Don't lay, drop, impact, or drag containers.
Safe Handling Advice	See "10. Stability and Reactivity."
<b>Storage</b>	
Storage Conditions	Avoid direct sunlight, high temperature, should be stored in well ventilated place. Also should be stored away from ignition sources and other dangerous areas.
Container and Packaging Materials	Use containers specified under the UN legislation covering transportation.
Incompatible Materials	See 10. Stability and reactivity.

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**8. Exposure Controls, Personal Protection**

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Exposure limit	1,000ppm or 1,900mg / m <sup>3</sup> (threshold limits value) (as Ethanol)
Equipment measures	Provide local exhaust ventilation.
Protective equipment	Put on protective glasses, protective gloves, protective clothes, protective mask if needed.

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**9. Physical and Chemical Properties**

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Appearance	Liquid
Color	Pale yellow clear liquid
Odor	Light ethanol odor
pH	2.6~4.1
Flash point	<60°C
Specific gravity	0.920~0.940
Solubility in solvents:	Soluble in water and ethanol.

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**10. Stability and Reactivity**

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Stability	Stable
Ignitability	No auto-ignition, no reactivity with water.
Oxidizing properties	None
Possible Hazardous Reactions	Product may react with Chlorine-based agent and release chlorine gas. It may corrode certain metals. The product erodes certain plastics, rubbers, and film forming agents.
Conditions to Avoid	Exposure to a high temperature
Incompatible Materials	Hypochlorous acid, Strong oxidants, calcium hypochlorite, and ammonia
Hazardous Decomposition Products	Chlorine, Carbon monoxide

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**11. Toxicological Information (as Ethanol )**

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Toxicity data(acute)	Oral LD <sub>50</sub> (rat)= 6,200 mg/kg
Carcinogenicity	-
Reproductive toxicity	-
Effects of overexposure,	
Inhalation:	High vapor concentration may cause burning sensation in nose and throat, stinging and watering in the eyes. At high concentrations, which cause irritation, dizziness, faintness, drowsiness, nausea and vomiting may also occur.
Skin contact:	Remove oils from the skin, which becomes dry and eventually develops cracks or dermatitis.
Eye contact:	Vapors are slightly uncomfortable; splashes are irritating. Painful burning or stinging sensation, watering of eyes, sensitive to and painful in the light.
Skin absorption:	None available
Ingestion:	Gastro-intestinal irritation. Follows by symptoms described in 'Inhalation'.
Chronic effects:	Damage to liver.
Target organs:	Respiratory system lungs, brain, nervous system, liver, eyes and skin.
Medical conditions generally aggravated by exposure:	Cause depression of the brain and nervous system and damage to the liver.

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**12. Ecological Information (as Ethanol )**

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Mobility:	Miscible in water, chloroform and ether
Bioaccumulation:	-
Biodegradability:	-
Aquatic toxicity:	Harmful to aquatic organisms.

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**13. Disposal Considerations**

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Waste disposal	Dispose material in accordance with all applicable local, state and federal regulations.
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**14. Transport Information**

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UN Hazard Class	Class 3 (Flammable liquid)
UN No.	1170
Packing group	III

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**15. Regulatory Information**

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The Globally Harmonized System of Classification and Labeling of Chemicals (Ver.5)  
Manual for creating labels and SDS corresponding to GHS (Pharmaceutical and Food Safety Bureau in Japan)

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**16. Other Information**

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The information contained herein are based on all the information and data that we can obtain as of the data issued. However, Takex Co., Ltd. does not give guaranteed regarding the contents, physical properties, hazards or harm. All remarks and precautions are premised on ordinary handling and it is the user's responsibility to take enough considerations in case of particular use.