SDS No. 0235011-US2 **Issue Date : December 10, 2015**
Product Name : Suzuki Super Long Life Coolant

SAFETY DATA SHEET

1. Identification

Product Identifier	Suzuki Super Long Life Coolant
Other means of identification	Antifreeze/Coolant
Recommended use of the chemical and restrictions on use	Engine Coolant
Supplier Information	
Name	CCI CORPORATION
Address	12 Shinhasama, Seki, Gifu 501-3923, JAPAN
Phone Number	+81-(0)575-24-4744
FAX Number	+81-(0)575-24-4447

2. Hazard identification

GHS classification of the substance/mixture and any national or regional information

Physical hazards	Explosives	-
	Flammable Gases	-
	Flammable Aerosols	-
	Oxidizing Gases	-
	Gases Under Pressure	-
	Flammable Liquids	Not classified
	Flammable Solids	-
	Self-Reactive Substances	-
	Pyrophoric Liquids	Not classified
	Pyrophoric Solids	-
	Self-Heating Substances	Classification not possible
	Substances Which in Contact with Water Emit Flammable Gases	-
	Oxidizing Liquids	Classification not possible
	Oxidizing Solids	-
	Organic Peroxides	-
	Substances Corrosive to Metal	Not classified
Health hazards	Acute Toxicity(Oral)	Not classified
	Acute Toxicity(Dermal)	Classification not possible
	Acute Toxicity(Inhalation-Gases)	-
	Acute Toxicity(Inhalation-Vapors)	Classification not possible
	Acute Toxicity(Inhalation-Dusts)	-
	Acute Toxicity(Inhalation-Mists)	Classification not possible
	Skin Corrosion / Irritation	Category 3

	Serious eye damage / Eye irritation	Category 2
	Respiratory Sensitization	Classification not possible
	Skin Sensitization	Classification not possible
	Germ Cell Mutagenicity	Classification not possible
	Carcinogenicity	Classification not possible
	Reproductive Toxicology	Category 1
	Specific target organ toxicity single exposure	Category 1 (Central nerves, Kidney, Heart, Respiratory)
	Specific target organ toxicity repeated or prolonged exposure	Category 1（Central nerves, Respiratory, Heart）
	Aspiration hazard	Classification not possible
Environmental Hazards	Acute Aquatic Toxicity	Category 3
	Chronic Aquatic Toxicity	Not classified

GHS Label elements

Hazardous pictograms

Signal words Danger

Hazard statements

Causes serious eye irritation

Causes mild skin irritation

May damage fertility or the unborn child

Causes damage to organs（Central nerves, Kidney, Heart, Respiratory）

Causes damage to organs (Central nerves, Respiratory, Heart) through prolonged or repeated exposure.

Harmful to aquatic life

Precautionary statements

Prevention

Wash contacted body parts thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/ face protection.

Obtain special instructions before use.

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

Use personal protective equipment as required.

IF exposed or concerned: Get medical advice/attention.

Do not breathe dust/fume/gas/mist/vapours/spray.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

Response

Call a POISON CENTER/doctor/physician if you feel unwell.

If skin irritation occurs: Get medical advice/attention.

	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	If eye irritation persists: Get medical advice / attention.
	If exposed: Call a POISON CENTER or doctor/physician.
	Get medical advice/attention if you feel unwell.
Storage	Store locked up
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Component	CAS No.	Content %
Ethylene Glycol	107-21-1	45-55
Water	7732-18-5	45-55
Additives	Proprietary	<5

4. First aid measures

Ingestion If victim is conscious and able to swallow, quickly have victim drink water or milk to dilute. Do NOT give sodium bicarbonate, fruit juices or vinegar. NEVER give anything by mouth if victim is unconscious or having convulsions. Induce vomiting only if advised by physician or Poison Control Center. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

Skin contact Immediately flush skin with plenty of water while removing contaminated clothing.

Eye contact Immediately flush eyes with plenty of cool water for at least 15 minutes. Do NOT permit victim to rub eyes. GET MEDICAL ATTENTION IMMEDIATELY.

Inhalation Immediately remove victim to fresh air. If victim has stopped breathing give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

Most important symptoms/effects, acute and delayed

Inhalation Cough, dizziness, headache

Skin contact Dry skin

Eye contact Redness, pain

5. Fire-fighting measures

Suitable extinguishing media Water spray, carbon dioxide, foam or dry chemical.

Unsuitable extinguishing media Straight stream

Specific hazards arising from the chemical To prevent possible storage container rupture, do not permit to freeze. Incompatible with strong acids, oxidizers, bases and chromium trioxide, potassium permanganate, and sodium peroxide.

Special protective equipment and precautions for fire-fighters.	Wear suitable protective equipment such as gas mask, groves, etc.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.
Environmental precautions	The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. For disposal see section 13.

7. Handling and storage

Precautions for safe handling.	Do not expose children and pets to this material. After handling product, wash thoroughly with soap and water before drinking, eating, or smoking. Keep away from open flames.
Conditions for safe storage, including any incompatibilities	To prevent possible storage container rupture, do not permit to freeze. Incompatible with strong acids, oxidizers, bases and chromium trioxide, potassium permanganate, and sodium peroxide.

8. Exposure controls/personal protection

Control parameters

Component	CAS No.	Source	Exposure Limit	Notes
Ethylene glycol	107-21-1	US OSHA	None	None
		US ACGIH	100 mg/m^3 TLV	Ceiling Limit for Aerosols Only; A4 - Not classifiable as a human carcinogen

Appropriate engineering controls	Handle in the presence of adequate ventilation. Engineering controls should be used whenever feasible to maintain concentrations below acceptable exposure criteria, including enclosures and local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Respiratory protection	Where exposure is likely to exceed acceptable criteria and engineering controls are not feasible, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air and in accordance with OSHA (29 CFR 1910.134)
Protective clothing	Wear gloves and protective clothing which are impervious to the product for the duration of exposure if there is potential for skin contact.
Eye protection	Wear safety glasses meeting the specifications of ANSI Standard Z87.1 where no contact with the eye is anticipated. Chemical safety goggles meeting the specification of ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes.

9. Physical and chemical properties

Appearance	Clear, slightly viscous, blue liquid
Odor	No characteristic odor
Odor threshold	Not available
pH	7.9(Original)
Freezing point	-36℃
Initial boiling point and boiling range	108℃
Flash point	None
Evaporation rate	Not available
Flammability(Solid, gas)	Not available
Upper/Lower flammability or explosive limits	Not available
Vapor pressure	Not determined
Vapor Density (Air = 1)	Not determined
Density (20°C)	1.075 g/cm^3
Solubility in Water	Infinite miscibility
Partition coefficient n-octanol/water	Not available
Auto ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available

10. Stability and reactivity

Chemical stability	Generally stable
Conditions to avoid	Avoid heat, flames and other sources of ignition.

Incompatible materials	Not determined.
Hazardous decomposition products	If pyrolyzed, thermal decomposition products of residue may include C, CO, CO_2, H_2O, NH_3, organic vapors and nitrogen-containing.

11. Toxicological information

Inhalation	Breathing excessive levels of the vapor or mist can irritate the respiratory tract. Excessive vapor concentrations of the major component (ethylene glycol), as might be generated during heating of this material, have occasionally been reported to cause adverse effects on the blood-forming system and the nervous system.
Ingestion	The acute oral toxicities of the main components of this mixture are as follows Ethylene Glycol The lowest dose reported to produce death in humans was estimated to be 1,560 mg/kg body weight; for a person weighing 150 pounds, this would be equivalent to drinking about three fluid ounces of pure ethylene glycol in a short period of time. Acute oral LD50's = 4,700 mg/kg (rats) 5,500 mg/kg (mouse)
Eye contact :	Based on the pH and irritation potential of this mixture's constituents, the mist or liquid can be expected to cause mild to moderate irritation or inflammation of the eyes
Skin contact	The acute dermal LD50 of the major component (ethylene glycol) of this product is 10,600mg/kg(rabbits). Based on the pH and the irritation potential of this mixture's constituents, the mist or liquid can be expected to cause mild to moderate irritation of the skin.
Chronic effects	No chronic or delayed effects have been identified

IARC: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. Ecological information

Ecotoxicity

Ecological information of the product	Ethylene Glycol LC50 - Oncorhynchus mykiss (rainbow trout) - 18,500 mg/l - 96 h
Persistence and degradability	Degradation half life readily biodegradable
Bioaccumulative potential	Bioaccumulative potential Bioconcentration potential is low. Comments to bioaccumulation Log Pow: -0,30

Mobility in soil	Mobility The product is miscible with water. May spread in water systems.
Other adverse effects	Remarks None known.

13. Disposal considerations

Waste Disposal	Disposal should be made in accordance with applicable federal, state and local regulations. All recovered material should be packaged, labeled, transported, and disposed of or reclaimed in conformance with good engineering practices. Avoid land filling of liquids. Reclaim where possible.

14. Transport information

UN number	Not regulated
Packing group	Not applicable
Sea Transport(IMDG)	Not regulated
Air Transport(IATA)	Not regulated
Department of transportation(DOT)	Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Toxic Substance Control Act	This product is a mixture : therefore, it is not listed in the TSCA Inventory of Chemical Substances. All of the components of the mixture are listed in the TSCA Inventory of Chemical Substances.
SARA Hazard Categories (as defined in Section 311/312)	Health Immediate (Acute) and Delayed (Chronic) Physical None. The product contains ethylene glycol (CAS# 107-21-1) which is 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.

16. Other information

NFPA Rating	Health (1) Fire (0) Reactivity (0)

The information presented herein is believed to be factual as it has been derived from the works and opinions of people believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which CCI CORPORATION bears legal responsibility. The user should review any recommendation in the specific context of intended use to determine whether they are appropriate.

[会社情報]

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