

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 |

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| Environmental Hazards | 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 |
| | 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.

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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.

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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.

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Individual protection measures, such as personal protective equipment

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| 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

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|-----------------------------------------------------|--------------------------------------|
| Appearance | Clear, slightly viscous, blue liquid |
| Odor | No characteristic odor |
| Odor threshold | Not available |
| pH | 7.9(Original) |
| Freezing point | -36°C |
| Initial boiling point and boiling range | 108°C |
| 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

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

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| Incompatible materials | Not determined. |
| Hazardous decomposition products | If pyrolyzed, thermal decomposition products of residue may include C, CO, CO ₂ , H ₂ O, NH ₃ , organic vapors and nitrogen-containing. |

11. Toxicological information

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| 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 | <p>The acute oral toxicities of the main components of this mixture are as follows</p> <p><u>Ethylene Glycol</u></p> <p>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.</p> <p>Acute oral LD50's = 4,700 mg/kg (rats) 5,500 mg/kg (mouse)</p> |
| 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 | <u>Ethylene Glycol</u> 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 |

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

13. Disposal considerations

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| 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

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| 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) | <u>Health</u> Immediate (Acute) and Delayed (Chronic) <u>Physical</u> 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

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|--------------------|------------------------------------|
| 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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