## SAFETY DATA SHEET

## 1. Identification

Product Identifier
Other means of identification
Recommended use of the chemical and restrictions on use
Supplier Information
Name
Address
Phone Number
FAX Number

Suzuki Super Long Life Coolant
Antifreeze/Coolant
Engine Coolant

CI CORPORATION
12 Shinhasama, Seki, Gifu 501-3923, JAPAN
+81-(0)575-24-4744
+81-(0)575-24-4447

## 2. Hazard identification

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

Health hazards

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


|  | 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 chis |  |
|  | Causes damage to organs (Central | es, Kidney, Heart, Respiratory) |
|  | Causes damage to organs (Central prolonged or repeated exposure. | es, Respiratory, Heart) through |
|  | Harmful to aquatic life |  |
| Precautionary statement |  |  |
| Prevention | Wash contacted body parts thorough | fter handling. |
|  | Wear protective gloves/protective clo protection. <br> Obtain special instructions before us | g/eye protection/ face |
|  | Do not handle until all safety precau understood. | have been read and |
|  | Use personal protective equipment | quired. |
|  | IF exposed or concerned: Get medic | dvice/attention. |
|  | Do not breathe dust/fume/gas/mist/v | urs/spray. |
|  | Do not eat, drink or smoke when using | is product. |
|  | Avoid release to the environment. |  |
| Response | Call a POISON CENTER/doctor/phy If skin irritation occurs: Get medical | if you feel unwell. ce/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 <br> to dilute. Do NOT give sodium bicarbonate, fruit juices or vinegar. NEVER give <br> anything by mouth if victim is unconscious or having convulsions. Induce vomiting <br> only if advised by physician or Poison Control Center. CALL PHYSICIAN OR <br> POISON CONTROL CENTER IMMEDIATELY. |
| :--- | :--- |
| Skin contact | Immediately flush skin with plenty of water while removing contaminated clothing. <br> Eye contact <br> Immediately flush eyes with plenty of cool water for at least 15 minutes. Do NOT <br> inhalation <br> permit victim to rub eyes. GET MEDICAL ATTENTION IMMEDIATELY. <br> Immediately remove victim to fresh air. If victim has stopped breathing give <br> artificial respiration, preferably mouth-to-mouth. GET MEDICALATTENTION <br> 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

## Unsuitable extinguishing

 mediaSpecific hazards arising from the chemical

Water spray, carbon dioxide, foam or dry chemical.

Straight stream
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
Environmental precautions

Methods and materials for containment and cleaning up

For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.
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.
## Conditions for safe

 storage, including any incompatibilitiesDo 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.
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 | $100 \mathrm{mg} / \mathrm{m}^{3}$ TV | Ceiling Limit for <br> Aerosols Only; <br> A4 - Not classifiable as <br> 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 | $-36^{\circ} \mathrm{C}$ |
| Initial boiling point and | $108^{\circ} \mathrm{C}$ |
| boiling range |  |
| Flash point | None |
| Evaporation rate | Not available |
| Flammability(Solid, gas) | Not available |
| Upper/Lower flammability | Not available |
| or explosive limits | Not determined |
| Vapor pressure | Not determined |
| Vapor Density (Air =1) | 1.075 g/cm ${ }^{3}$ |
| Density (20 C$)$ | Infinite miscibility |
| Solubility in Water | Not available |
| Partition coefficient | Not available |
| n-octanol/water | Not available |
| Auto ignition temperature | Not available |
| Decomposition |  |

10. Stability and reactivity

Chemical stability
Conditions to avoid

Generally stable
Avoid heat, flames and other sources of ignition.
Incompatible materials
Hazardous decomposition
products

Not determined.
If pyrolyzed, thermal decomposition products of residue may include C , $\mathrm{CO}, \mathrm{CO}_{2}, \mathrm{H}_{2} \mathrm{O}, \mathrm{NH}_{3}$, 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

Eye contact :
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 $1,560 \mathrm{mg} / \mathrm{kg}$ 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 $=4,700 \mathrm{mg} / \mathrm{kg}$ (rats)

$$
5,500 \mathrm{mg} / \mathrm{kg} \text { (mouse) }
$$

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

## Chronic effects

The acute dermal LD50 of the major component (ethylene glycol) of this product is $10,600 \mathrm{mg} / \mathrm{kg}$ (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.
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

Persistence and
degradability
Bioaccumulative potential

## Ethylene Glycol

LC50 - Oncorhynchus mykiss (rainbow trout) - 18,500 mg/l - 96 h
Degradation half life readily biodegradable

Bioaccumulative potential Bioconcentration potential is low.
Comments to bioaccumulation Log Pow: -0,30

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

| 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 This product is a mixture : therefore, it is not listed in the TSCA Inventory

Act
SARA Hazard Categories
(as defined in Section 311/312)
of Chemical Substances. All of the components of the mixture are listed in the TSCA Inventory of Chemical Substances.
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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