

IDENTIFICATION

Product Identifier: CHILLISSIMO COOLANT CONCENTRATE

Product Code: FL1250 (GREEN), FL1255 (RED), FL1260 (BLUE), FL1263 (PINK)

Recommended use of chemical and restrictions on use: Hand Wash

HAZARD IDENTIFICATION

GHS Classification: This product is classified as hazardous under the Globally Harmonised System (GHS) and Australian Work Health and Safety regulations.

Specific Target Organ Toxicity Category 3 (Respiratory)

- Acute Toxicity Category 4 (Ingestion)
- Specific Target Organ Toxicity – Repeated Exposure – Category 2 (Kidney)



Pictogram: Exclamation Mark, Health Hazard

Signal Word (s) **WARNING**

Hazard Statement: Causes serious eye irritation.

General Statement: Keep out of reach of children. Read label before use.

Safety Directions: Use only outdoors in a well-ventilated area. Wash hands and skin thoroughly after use. Do not eat drink or smoke while using this product. Do not breathe dust/fume/gas/mist/vapours/spray.

FIRST AID:

IF INHALED: Remove person to fresh air and keep them comfortable for breathing.

IF IN SKIN: Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness persists.

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 symptoms

persist, seek medical attention. Eye contact may result in irritation, lacrimation, pain, redness, conjunctivitis.

INGESTION: Do not induce vomiting. Rinse the mouth thoroughly with water immediately. Provide water to drink. Seek medical attention immediately. Ingestion may result in nausea, vomiting.

INHALATION: Remove to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor) Not an inhalation hazard.

ADVICE TO DOCTOR: Treat symptomatically. **Treatment of ethylene glycol poisoning should begin with immediate hospital admission.** If ingestion occurred within the past four hours, gastric lavage or induced vomiting may be considered to reduce absorption, but only under proper medical supervision. Intravenous ethanol or 4-methylpyrazole may be administered as antidotes to inhibit the formation of toxic metabolites and promote renal excretion of unchanged ethylene glycol. Maintaining a plasma ethanol concentration between 100–150 mg/dL is recommended. Ethylene glycol toxicity may lead to central nervous system depression, metabolic acidosis, kidney failure (uraemia), and pulmonary oedema. In such cases, haemodialysis is preferred to remove ethylene glycol and its metabolites and to correct metabolic disturbances.

FIRST AID MEASURE: For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764 766) or a doctor.

STORAGE & DISPOSAL: Dispose of contents in accordance with local regulations.

INGREDIENTS

NAME	CAS NUMBER	PROPORTION
Ethanediol [Ethylene glycol]	107-21-1	>60 % w/w
Denatonium benzoate	3734-33-6	<1 % w/w
Ingredients determined to be non-hazardous at concentrations present	various	to 100 % w/w

FIRE-FIGHTING MEASURES

Fire Hazard: Combustible liquid

Extinguishing Media: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). Do NOT use water jet. Stop leak if safe to do so. Send messenger to notify fire brigade and police. On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to

vapour or products of combustion. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray.

ACCIDENTAL RELEASE MEASURES

Minor Spills: Do not need special measures- rinse with water

Major Spills: Stop the leak if it's safe. Block drains and waterways. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. As this is a water-based product, it may cause short-circuits if spilled on electrical equipment. If possible, contain the spill and cover it with an inert absorbent material. Collect the absorbed material and place it in a properly labelled container. Do not dilute the spill, contain it as is. Dispose of all waste according to local and national regulations. If the spill contaminates sewers or water systems, notify the appropriate local authorities as required.

HANDLING AND STORAGE

Handling: Wear appropriate protective clothing when exposure is possible. Use only in well-ventilated areas. Avoid eye and skin contact with the concentrate and avoid breathing in vapour. Do not eat, drink, or smoke while handling the product. This product is classified as a C1 (Combustible Liquid) for storage and handling, in accordance with AS 1940. Refer to State Regulations for specific storage and transport requirements. Keep containers tightly closed when not in use and handle with care to avoid physical damage. Avoid contact with incompatible materials. Always wash hands thoroughly with soap and water after handling. Work clothes should be laundered regularly, and contaminated clothing should be washed before reuse. Store according to the manufacturer's instructions.

Storage: Store in original containers. Store in a cool, dry, well-ventilated area out of direct sunlight. Store in approved cupboards or storage container. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

EXPOSURE CONTROLS & PERSONAL PROTECTION

Occupational exposure limit values: Time-weighted Average (TWA): None established for product. • Ethylene Glycol: (vapour): 8hr TWA = 52 mg/m³ (20 ppm), 8hr TWA = 10 mg/m³, Skin

• Ethylene glycol (particulate): 8hr TWA = 10 mg/m³, Skin

Short Term Exposure Limit (STEL): None established for product. • Ethylene Glycol: 15 min STEL = 104 mg/m³ (40 ppm), Skin

Appropriate Engineering Controls: Use only in well-ventilated areas. Keep work areas clean and avoid unnecessary exposure. Keep containers closed.

Personal Protective Equipment: Not required for normal use. When handling large amounts use OVERALLS, SAFETY SHOES, SAFETY GLASSES/ contact lenses, GLOVES and respirator if adequate ventilation is not there.

STABILITY & REACTIVITY

Stable at normal temperatures and pressure. Reacts with strong oxidising agents. Avoid extremes of temperature and direct sunlight. Heat can lead to accelerated oxidative degradation.

TOXICOLOGICAL INFORMATION

No harmful effects are expected if the product is used as directed. However, it is classified as Acute Toxicity Category 4 (Ingestion) – Harmful if swallowed. Inhalation of vapour can lead to headaches, dizziness, drowsiness, nausea, and respiratory irritation. Skin contact may cause irritation and dryness, and repeated exposure could lead to dermatitis; the product can also be absorbed through the skin, potentially causing effects like ingestion. Eye contact with the concentrate may result in stinging, tearing, and blurred vision. Ingestion of large amounts of ethylene glycol may cause symptoms like alcohol poisoning, followed by serious effects like vomiting, unconsciousness, breathing difficulties, and potentially death. Chronic exposure may affect the central nervous system, liver, and kidneys, based on animal studies.

ECOLOGICAL INFORMATION

This product is not harmful to aquatic life. The calculated acute aquatic toxicity (LC₅₀) is 1737 mg/L, and the product as sold has an LC₅₀ greater than 100 mg/L, indicating it is not classified as



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Safety Data Sheet

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hazardous to the aquatic environment. The ingredients are readily biodegradable, and bioaccumulation is not expected. Due to its physical and chemical properties, the product is highly mobile in the environment and will tend to move into aquatic systems. No additional adverse environmental effects are currently available. Do not discharge this material into waterways.

DISPOSAL INFORMATION

Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

The information contained herein is subject to change without notification. Typical properties may vary slightly.