



SAFETY DATA SHEET: Coffee & Espresso Machine Cleaner

1 Identification

GHS Product Identifier

GD-CEMC

Other means of identification

Coffee & Espresso Machine Cleaner

Recommended use of the chemical and restriction on use

Removes calcium, lime and mineral deposits

Supplier's details

Green Dolphin Inc.
1351 Matheson Blvd. Unit 4B
Mississauga, ON L4W 2A1
(905) 673-0707

Emergency phone number

(905) 673-0707 / CANUTEC 1-888-226-8832

2 Hazard(s) identification

Classification of the substance or mixture

Skin corrosion/irritation – Skin irritation (Category 2)
Serious eye damage/eye irritation – Eye irritation (Category 2 and 2A)

GHS label elements

Danger



May be corrosive to metals

Causes skin irritation

Causes serious eye irritation

May damage fertility or the unborn child

IF ON SKIN: Wash with plenty of soap and water.

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 skin irritation occurs: Get medical advice/attention.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
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Acid Salt	112592-62-8	10 - 30
Alcohol Ethoxylate	68439-50-9	1 - 5
Sodium Citrate	6132-04-3	1 - 5

4 First-aid measures

Description of necessary first-aid measures

Eye: Immediately flush with water for 15 minutes. Holding eyelids open during flushing. If irritation persists, seek medical attention immediately.

Skin: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists. Remove contaminated clothing and launder before reuse.

Inhalation: Move to fresh air. If symptoms persist, seek medical attention.

Ingestion: Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

Most important symptoms/effects, acute and delayed

Prolonged or repeated exposure can cause drying, defatting, and dermatitis

5 Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

None known

Special protective actions for fire-fighters

Wear full protective equipment including a self-contained breathing apparatus.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Adequate ventilation and wear adequate personal protective clothing.

Avoid contact with skin and eyes.

Refer to protective measures listed in SECTION 7 and SECTION 8

Methods and materials for containment and cleaning up

Recover and reuse as much of product as possible. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

7 Handling and storage

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Wear proper protective equipment. Ensure good ventilation/exhaustion at the workplace. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Store in container tightly closed in a cool, dry place.

8 Exposure controls/personal protection

Appropriate engineering controls

A system of local and/or general ventilation is recommended to keep employee exposure as low as possible.

If current ventilation practices are not adequate for minimizing exposures, additional ventilation or exhaust systems may be required.

Individual protection measures

Skin: Gloves made of rubber or vinyl should be used. Prior to use, user should confirm impermeability. Discard contaminated gloves. Wash and dry hands after use.

Eyes: Safety goggles or face shield should be used. Ensure equipment is properly fitted for user. Equipment should be tested and approved under government standards. Contact lenses should not be worn when working with this material.

Respiratory: Not normally required. If in poorly ventilated areas, self-contained breathing apparatus should be used. Ensure equipment is properly fitted for user. Equipment should be tested and approved under government standards.

9 Physical and chemical properties

Physical and chemical properties

Physical State	liquid	Appearance / colour	aqua
Odour	typical	Odour Threshold	no data available
Boiling Point	no data available	Freezing Point	no data available
Relative Density (water=1)	no data available	Solubility in Water	complete
pH	1-2	Partition Coefficient, n-Octano/Water	no data available
Vapour Pressure	no data available	Vapour Density (air=1)	no data available
Evaporation Rate	no data available	Flash Point	no data available
Specific gravity	1.05-1.07	Density	no data available
Viscosity, kinematic	as water	Explosive limits	no data available

10 Stability and reactivity

Reactivity

Normally stable. Heating above 110C results in an exothermic decomposition with rapid release of CO2 gas

Chemical stability

Stable under recommended handling and storage conditions

Possibility of hazardous reactions

Will not occur

Conditions to avoid

Avoid extreme temperatures. Avoid contact with incompatible materials.

Incompatible materials

Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates and nitrates. This material is acidic. Contact with hypochlorites (chlorine bleach, sulfides or cyanides) will liberate toxic gases. Contact with alkaline materials (aqua amonia) will generate heat.

Hazardous decomposition products

Oxides of nitrogen and carbon

11 Toxicological information

Toxicological (health) effects

May damage fertility or unborn child

Information on the likely routes of exposure

Skin, eyes and inhalation

Delayed and immediate effects and also chronic effects from short and long term exposure

Skin and eye irritation

Numerical measures of toxicity (such as acute toxicity estimates)

Acid Salt - LD50 (oral) 678.3 mg/kg rat
LD50 (dermal) 2109.4 mg/kg rat

Alcohol Ethoxylate - LD50 (oral) >2000 mg/kg rat

Sodium Citrate - LD50 (oral) 6730 mg/kg rat

12 Ecological information

Toxicity

96 hour LC0 >140 mg/L (rainbow trout), 48 hour LC50 71.1 mg/L (ceriodaphnia dubia), 15 LC50 16.23% at a concentration of 10 mg/L (Vibrio fischeri, 4H6002)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13 Disposal considerations

Disposal methods

In accordance with municipal, provincial and federal regulations.

14 Transport information

UN Number

1760

UN Proper Shipping Name

Corrosive liquids, N.O.S.

Transport hazard class(es)

8

Packing group, if applicable

III

Environmental hazards

None known

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

OSHA/WHMIS information: Irritant to skin, non-corrosive to skin, causes eye irritation and may cause allergic reaction - see SECTION 2 Hazard(s) identification. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this SDS contains all the information required by the CPR.

16 Other information

Other information

Prepared by: Green Dolphin Inc. (905) 673-0707

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