

SAFETY DATA SHEET

CG-7 Fuel conditioner

1. Identification of the substance/preparation and of the company/undertaking

Product name : CG-7
Fuel conditioner

Supplier : CleanerGlobe
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2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
1,2-Ethanediol	107-21-1	10 - 25	203-473-3	Xn; R22

See section 16 for the full text of the R Phrases declared above

* Occupational Exposure Limit(s), if available, are listed in section 8

: Not applicable.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

5. Fire-fighting measures

- Extinguishing media** : Use water spray, fog or foam. Do not use water jet.
- Special exposure hazards** : No specific hazard.
Not available.
- Products of combustion** :
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.
- Remark** : Risk of explosion by shock, friction, fire or other sources of ignition., above 130degrees

6. Accidental release measures

- Personal precautions** : Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- Environmental precautions and clean-up methods** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Use water spray to keep fire exposed containers cool.
- Packaging materials**
- Suitable** : Use original container.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
1,2-Ethanediol	Nationale MAC-lijst (Netherlands). Skin TGG: 52 mg/m ³ 8 hour(s). TGG: 20 ppm 8 hour(s). : 104 mg/m ³ 15 minute(s). : 40 ppm 15 minute(s).

Exposure controls/personal protection

- Occupational exposure controls** : Ensure that eyewash stations and safety showers are proximal to the work-station location., at larger quantities of product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended organic vapor filter (Type A)
- Hand protection** : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Recommended, Latex gloves. Nitrile gloves.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Recommended, Safety glasses.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Recommended, Protective Clothing (e.g. lab coat)
- Hygiene measures** Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

9. Physical and chemical properties

General information

- Appearance**
- Physical state** : Viscous liquid.
- Color** : Clear. Amber.
- Odor** : Fragrance like. (Strong.)

Important health, safety and environmental information

- Relative density** : 1.02 g/cm³
- Viscosity** : Kinematic (40C): >100 mm²/s
- Boiling point** : 105°C (221°F)
- Flash point** : Closed cup: 103°C (217.4°F).
- Auto-ignition temperature** :
- Vapor pressure** : 0.05332 kPa (0.4 mm Hg) (at 20°C)
- Solubility** : Not available.

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Vapor density : >1 (Air = 1)
pH : 7.3 [Neutral.]

Other information

Pourpoint : Not available.
Cloudpoint : Not available.
Melting/freezing point : Not applicable
Refractive index : Not available.

10. Stability and reactivity

Stability : The product is stable.
Conditions to avoid : Keep away from heat, sparks and flame.
Materials to avoid : Highly reactive with oxidizing agents.
Reactive with acids, alkalis.

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.
Ingestion : Harmful if swallowed.
Skin contact : May cause skin sensitization.
Eye contact : Irritating to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
1,2-Ethanediol	LD50	>2000 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Dermal	Rabbit

Remark : Not applicable.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
1,2-Ethanediol	Daphnia (EC50)	48 hour(s)	>100 mg/l
	Algae (IC50)	72 hour(s)	>100 mg/l

Other information : 1,2-Ethanediol: Biodegradable

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste / unused products : Collect all waste in suitable and labelled containers and dispose according to local legislation.

European waste catalogue (EWC) : For this product there is no wastecodenumber record in accordance with the European Waste Catalogue (EWC). The wastecodenumber must be recorded in accordance with regional waste disposal.

Contaminated packaging : Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

European waste catalogue (EWC) : Not available.

14. Transport information

International transport regulations

ADR/RID

Class

UN : Not regulated.

number

Proper shipping name

Class

-

-

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Packing group
Label

IMDG Class

UN number : Not regulated.
Proper shipping name : -
Class : -
Packing group
Label

Additional information

IATA Class : *Transportclassification IATA is to be assigned by the appropriate national authority.*

15. Regulatory information

EU Regulations

Risk phrases : This product is not classified according to the EU regulations.

16. Other information

Full text of R phrases referred to in sections 2 and 3 : R22- Harmful if swallowed.

: Xn - Harmful

History

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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