



Material Safety Data Sheet



Ceramic hob cleaner for every day use

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 1090500
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.02
Country : Netherlands **Validation date** : 11-6-2008.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 11-6-2008.
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Supplier : Solstrand Trading **Fax** : +1.705.734.0857
Address : 60 Lockhart road Barrie, Ontario L4N 9G8 **Country** : Canada
Material uses : Cleaner.
In Case of Emergency : Chem. Tel Inc. (813) 248 0585 or Toll free (800) 255 3924

Section 2. Composition, Information on Ingredients

Name	CAS #	% by weight	Exposure limits
propan-2-ol	67-63-0	5 - 15	Not available.
d-glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	1 - 5	Not available.
phosphonic acid, [[(phosphonomethyl)imino]bis[2,1-ethanediylnitrilobis(methylene)]]tetrakis-, sodium salt	22042-96-2	0 - 1	Not available.
glycine, n,n-bis(carboxymethyl)-, trisodium salt	5064-31-3	0 - 1	Not available.
d-glucopyranose, oligomeric, c10-16-alkyl glycosides	110615-47-9	0 - 1	Not available.
Preservative.		0 - 0.1	Not available.
Perfume ingredient.		0 - 0.1	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : Warning!

CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA.
SUSPECT CANCER HAZARD - CONTAINS MATERIAL WHICH MAY CAUSE CANCER.
FLAMMABLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FLASH FIRE.

Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Risk of cancer depends on duration and level of exposure.

Routes of entry : Dermal contact. Eye contact. Ingestion.

Potential acute health effects

Eyes : May cause eye irritation.

Skin : May cause skin irritation.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

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- Potential chronic health effects** : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [propan-2-ol]. Classified 2B (Possible for human.) by IARC [glycine, n,n-bis(carboxymethyl)-, trisodium salt].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
- Medical conditions aggravated by overexposure:** : Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
- Over-exposure signs/symptoms** : Not available.
- [See toxicological information \(section 11\)](#)

Section 4. First aid measures

- Eye Contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- 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.
- 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. Get medical attention if symptoms appear.
- Notes to Physician** : Not available.

Section 5. Fire fighting measures

- Flammability of the product** : Flammable.
- Auto-ignition Temperature** : Lowest known value: 399°C (750.2°F) (propan-2-ol).
- Flash Points** : Closed cup: 48°C (118.4°F). (Pensky-Martens.) Open cup: 56°C (132.8°F) (Pensky-Martens.).
- Flammable limits** : Not available.
- Products of combustion** : Decomposition products may include the following materials: carbon oxides (CO, CO₂).
- Fire hazards in presence of various substances** : Not available.
- Explosion hazards in presence of various substances** : Not available.
- Fire fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemicals, or CO₂.
Flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- 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.
- Special remarks on fire hazards** : No additional remark.
- Special remarks on explosion hazards** : No additional remark.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate 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.

Section 7. Handling and storage

- Handling** : Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

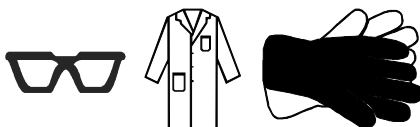
Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal protection

- Eyes** : 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.
- Skin** : 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.
- Respiratory** : 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.
- Hands** : 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.
- Other protection** : Not available.

Personal protective equipment (Pictograms)



- Personal protection in case of a large spill** : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name

propan-2-ol

Exposure limits

Not available.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

- Physical State and Appearance** : Liquid.
- Color** : Colorless.
- Odor** : Characteristic.
- pH** : 10.3 to 10.8 (Conc. (% w/w): 100) [Basic.]
- Relative density** : 0.997 g/cm³ (20°C / 68°F)
- Viscosity** : Not available.
- Solubility** : Easily soluble in the following materials: hot water, diethyl ether, acetone.
Soluble in the following materials: cold water.
Insoluble in the following materials: methanol, n-octanol.
- Flash point** : Closed cup: 48°C (118.4°F). (Pensky-Martens.) Open cup: 56°C (132.8°F) (Pensky-Martens.).
- Explosive properties** : Not available.
- Oxidizing properties** : Not available.
- Physical chemical comments** : Solubility in other solvents: not soluble

Section 10. Stability and reactivity

- Stability and Reactivity** : The product is stable.
- Conditions of instability** : Stable under recommended storage and handling conditions (see section 7).
- Incompatibility with various substances** : Reactive with acids.
- Hazardous Decomposition Products** : Not available.
- Hazardous polymerization** : Will not occur.

Section 11. Toxicological information

propan-2-ol	LD50	5045 mg/kg	Oral	Rat
	LD50	6410 mg/kg	Oral	Rabbit
	LD50	3600 mg/kg	Oral	Mouse
	LD50	12800 mg/kg	Dermal	Rabbit
	LD50	12800 mg/kg	Dermal	Rabbit
	LDLo	1537 mg/kg	Oral	Dog
	LDLo	3570 mg/kg	Oral	human
glycine, n,n-bis(carboxymethyl)-, trisodium salt	LD50	1100 mg/kg	Oral	Rat
	LD50	681 mg/kg	Oral	Mouse
	LD50	750 mg/kg	Oral	Monkey.

- Chronic effects on humans** : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [propan-2-ol]. Classified 2B (Possible for human.) by IARC [glycine, n,n-bis(carboxymethyl)-, trisodium salt].
Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
- Other toxic effects on humans** : Not considered to be toxic for humans.
- Special remarks on toxicity to animals** : Very low toxicity for humans or animals. (Preservative.)
- Special remarks on chronic effects on humans** : Not available.
- Special remarks on other toxic effects on humans** : Not available.
- Specific effects**
- Carcinogenic effects** : Contains material which may cause cancer.. Risk of cancer depends on duration and level of exposure.
- Mutagenic effects** : No known significant effects or critical hazards.
- Reproduction toxicity** : No known significant effects or critical hazards.

Section 12. Ecological information

propan-2-ol	Pimephales promelas (EC50)	48 hour(s)	10000 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>1400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	6550 mg/l
	Pimephales promelas (LC50)	96 hour(s)	9640 mg/l
	Pimephales promelas (LC50)	96 hour(s)	10400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	11130 mg/l
glycine, n,n-bis(carboxymethyl)-, trisodium salt	Fish (LC50)	96 hour(s)	>200 mg/l

- BOD and COD** : Not available.
- Biodegradable/OECD** : Readily biodegradable
- Mobility** : Not available.
- Products of degradation** : Decomposition products may include the following materials: carbon oxides (CO, CO₂) and water.
- Toxicity of the products of biodegradation** : The product itself and its products of degradation are not toxic.

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Special remarks on the products of biodegradation : Readily biodegradable






Section 13. Disposal considerations

Waste information : 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 stream : Not available.

[Consult your local or regional authorities.](#)

Section 14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG III (propan-2-ol)	3	III		Limited quantity Yes. Remarks Limited Quantity
TDG Classification	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG III (propan-2-ol)	3	III		Remarks Limited Quantity
ADR/RID Class	1993	UN 1993"dangerous goods in limited quantities of class 3", III, ADR (propan-2-ol)	3	III		Hazard identification number 33 Reportable quantity 45 Remarks Dangerous goods in limited quantities
IMDG Class	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG III (propan-2-ol)	3	III		Emergency schedules (EmS) F-E, S-E Remarks Dangerous goods in limited quantities
IATA-DGR Class	1993	"dangerous goods in limited quantities of class 3" UN 1993, PG III (propan-2-ol)	3	III		Remarks Dangerous goods in limited quantities

Section 15. Regulatory information

WHMIS (Canada) : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
CEPA DSL: Water; propan-2-ol; d-glucopyranose, oligomeric, c10-16-alkyl glycosides; d-glucopyranose, oligomeric, decyl octyl glycosides; phosphonic acid, [[(phosphonomethyl)imino]bis[2,1-ethanediylnitrilobis(methylene)]]tetrakis-, sodium salt; glycine, n,n-bis(carboxymethyl)-, trisodium salt; 3,3,5-trimethylcyclohexanol; phenyl ether; phenethyl alcohol; 2,6-octadien-1-ol, 3,7-dimethyl-, (e)-; 6-octen-1-ol, 3,7-dimethyl-

International regulations

EINECS : Not available.

DSCL (EEC) : R10- Flammable.

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International lists :

Section 16. Other information

Label Requirements : CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS: RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYE, LENS OR CORNEA.
SUSPECT CANCER HAZARD - CONTAINS MATERIAL WHICH MAY CAUSE CANCER.
FLAMMABLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FLASH FIRE.

Hazardous Material Information System (U.S.A.)

Health	1
Fire hazard	2
Reactivity	0
Personal protection	C

National Fire Protection Association (U.S.A.)



References : Not available.

Other special considerations : Not available.

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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.