



Material Safety Data Sheet



Terra cotta clean & shine

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 1911000
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.03
Country : Netherlands **Validation date** : 9-1-2008.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 9-1-2008.
Fax : +31 (0)36 54 94 744 **Responsible name** : P. Stienstra
Internet: : www.hginternational.com **Telephone No.:** : +1.705.726.5445
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
Water	7732-18-5	70 - 100	Not available.
Ethoxylated alcohol.		5 - 15	Not available.
Polymer.		5 - 15	Not available.
dipropylene glycol methyl ether	34590-94-8	1 - 5	Not available.
alcohols, c11-14-iso-, c13-rich, ethoxylated	78330-21-9	1 - 5	Not available.
Watery modified maleinresin.	8050-28-0	1 - 5	Not available.
phosphoric acid, tris(2-methylpropyl) ester	126-71-6	0 - 1	Not available.
1-Methoxy-2-propanol	107-98-2	0 - 1	Not available.
Tributoxyethyl phosphate	78-51-3	0 - 1	Not available.
Perfume ingredient.		0 - 0.5	Not available.
Preservative.		0 - 0.05	Not available.
Nonionics		0 - 0.05	Not available.
Mixture of mineral oils and non-ionic surfactants	mixture	0 - 0.005	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : No specific hazard.
No specific hazard.
Do not ingest. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. If swallowed, seek medical advice immediately and show this container or label. Keep out of the reach of children.

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

Potential acute health effects

Eyes : This product may irritate eyes upon contact.
Skin : Can cause irritation.

Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Potential chronic health effects : **CARCINOGENIC EFFECTS:** Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

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Medical conditions aggravated by overexposure: : Repeated or prolonged exposure is not known to aggravate medical condition.

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.
- Notes to Physician** : Not available.

Section 5. Fire fighting measures

- Flammability of the product** : Non-flammable.
- Auto-ignition Temperature** : Not applicable.
- Flash Points** : Not applicable.
- Flammable limits** : Not applicable.
- Products of combustion** : Not applicable.
- Fire hazards in presence of various substances** : Non-flammable.
- Explosion hazards in presence of various substances** : Not available.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.
Protective Clothing Wear appropriate respirator when ventilation is inadequate.
No specific 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** : Not available.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- 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) 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.

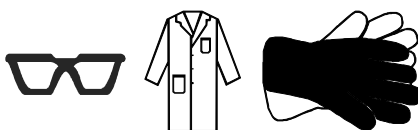
Section 7. Handling and storage

- Handling** : Do not ingest. Wash thoroughly after handling. Avoid prolonged contact with eyes, skin, and clothing. If swallowed, seek medical advice immediately and show this container or label. Keep out of the reach of children.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : No special ventilation requirements.
- Personal protection**
- Eyes** : splash goggles
 - Skin** : lab coat
 - Respiratory** : A respirator is not needed under normal and intended conditions of product use.
 - Hands** : Gloves.
 - Other protection** : Boots.

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

dipropylene glycol methyl ether

Exposure limits

Not available.

[Consult local authorities for acceptable exposure limits.](#)

Section 9. Physical and chemical properties

- Physical State and Appearance** : Liquid.
- Color** : White.
- Odor** : Perfumed
- pH** : 8.8 (Conc. (% w/w): 100) [Basic.]
- Relative density** : 1.01 g/cm³ (20°C / 68°F)
- Viscosity** : Dynamic: Highest known value: 1034 cP (Watery modified maleinresin.) Weighted average: 346.3 cP
- Solubility** : Easily soluble in the following materials: cold water, hot water, diethyl ether.
Partially soluble in the following materials: methanol, acetone.
- Flash point** : Not applicable.
- Flammability (solid, gas)** : Not applicable.
- Explosive properties** : Not available.
- Oxidizing properties** : Not applicable.
- Physical chemical comments** : Not available.

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 oxidizing agents.
- Hazardous Decomposition Products** : carbon oxides (CO, CO₂)
- Hazardous polymerization** : Yes.

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Section 11. Toxicological information

dipropylene glycol methyl ether	LD50	5135 mg/kg	Oral	Rat
	LD50	9500 mg/kg	Dermal	Rat
	LD50	9500 mg/kg	Dermal	Rabbit
alcohols, c11-14-iso-, c13-rich, ethoxylated	LD50	200 to 2000 mg/kg	Oral	Rat
Tributoxyethyl phosphate	LD50	6200 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Dermal	Rabbit
1-Methoxy-2-propanol	LD50	5700 mg/kg	Oral	Rabbit
	LD50	11700 mg/kg	Oral	Mouse
	LD50	13500 mg/kg	Dermal	Rabbit
	LDLo	3739 mg/kg	Oral	Rat
	LC50	7000 (6 hour(s))	Inhalation	Rat
	LC50	10000 (5 hour(s))	Inhalation	Rat
phosphoric acid, tris(2-methylpropyl) ester	LD50	4180 mg/kg	Oral	Rat
	LD50	>5000 mg/kg	Dermal	Rabbit
Watery modified maleinresin.	LD50	>2000 mg/kg	Oral	Rat
Nonionics	LD50	13792 mg/kg	Oral	Rat
Ethoxylated alcohol.	LD50	>5000 mg/kg	Oral	Rat

Chronic effects on humans : Contains material which causes damage to the following organs: upper respiratory tract, central nervous system (CNS), eye, lens or cornea.

Other toxic effects on humans : No specific information is available in our database regarding the other toxic effects of this material for humans.

Special remarks on toxicity to animals : Very low toxicity for humans or animals. (alcohols, c11-14-iso-, c13-rich, ethoxylated)

Special remarks on chronic effects on humans : Not available.

Special remarks on other toxic effects on humans : Not available.

Specific effects

Carcinogenic effects : No known significant effects or critical hazards.

Mutagenic effects : No known significant effects or critical hazards.

Reproduction toxicity : No known significant effects or critical hazards.

Section 12. Ecological information

dipropylene glycol methyl ether	PIMEPHALES PROMELAS (LC50)	48 hour(s)	>10000 mg/l
alcohols, c11-14-iso-, c13-rich, ethoxylated	Flora (EC50)	72 hour(s)	1 to 10 mg/l
	LEUCISCUS IDUS (LC50)	96 hour(s)	1 to 10 mg/l
	Aquatic Invertebrates. (LC50)	48 hour(s)	1 to 10 mg/l
Tributoxyethyl phosphate	Pimephales promelas (LC50)	96 hour(s)	11.2 mg/l
	Daphnia (LC50)	48 hour(s)	10 to 100 mg/l
1-Methoxy-2-propanol	Bacteria (EC50)	48 hour(s)	>1000 mg/l
	Fish (LC50)	96 hour(s)	>1000 mg/l
phosphoric acid, tris(2-methylpropyl) ester	Daphnia (EC50)	48 hour(s)	11 mg/l
	LEUCISCUS IDUS (LC50)	96 hour(s)	10 to 100 mg/l
	Algae (EC50)	72 hour(s)	33 mg/l
Watery modified maleinresin.	Not available.	Not available.	Not available.
Nonionics	FATHEAD MINNOWS (LC50)	96 hour(s)	61.7 to 71.7 mg/l

BOD and COD : Not available.

Biodegradable/OECD : Partially 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 products of degradation are less toxic than the product itself.

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Special remarks on the products of biodegradation : Not available.

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	Not regulated.	-	-	-		Remarks Keep in frostfree area
TDG Classification	Not regulated.	-	-	-		Remarks Keep in frostfree area
ADR/RID Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IMDG Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IATA-DGR Class	Not regulated.	-	-	-		Remarks Keep in frostfree area

Section 15. Regulatory information

WHMIS (Canada) : Not controlled under WHMIS (Canada).
No products were found.

International regulations

EINECS : Not available.

DSCL (EEC) : This product is not classified according to the EU regulations.

International lists :

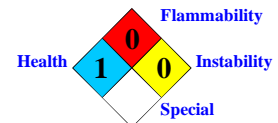
Section 16. Other information

Label Requirements : No specific hazard.

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

Health	1
Fire hazard	0
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

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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.**