



# Material Safety Data Sheet



## Laminate powerful cleaner

### Section 1. Chemical product and company identification

**Manufacturer** : HG International b.v. **Code** : 1341000  
**Address** : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.02  
**Country** : Netherlands **Validation date** : 4-1-2008.  
**Telephone No.:** : +31 (0)36 54 94 700 **Print date** : 4-1-2008.  
**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** : Major maintenance cleaner, suitable for removing heavy grime and old coatings of HG "laminate gloss coating"

 **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
2-(2-Butoxyethoxy)ethanol	112-34-5	5 - 15	Not available.
alcohols, c9-11, ethoxylated	68439-46-3	1 - 5	Not available.
sodium phosphate, dibasic	7558-79-4	1 - 5	Not available.
triphosphoric acid, pentasodium salt	7758-29-4	1 - 5	Not available.
Preservative.		0 - 0.1	Not available.
Styrene	100-42-5	<0.1	Not available.

### Section 3. Hazards identification

**Physical State and Appearance** : Liquid.

**Emergency overview** :  
No specific hazard.

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

#### Potential acute health effects

**Eyes** : Can cause irritation.

**Skin** : Can cause irritation.

**Inhalation** : Can cause irritation.

**Ingestion** : May be harmful if swallowed. Can cause irritation.

**Potential chronic health effects** : **CARCINOGENIC EFFECTS:** Not available.  
**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)

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## 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** : May be combustible at high temperature.
- Auto-ignition Temperature** : Lowest known value: 204.45 to 227.75°C (400 to 441.9°F) (2-(2-Butoxyethoxy)ethanol).
- Flash Points** : Closed cup: Higher than 93.3°C (200°F). (Pensky-Martens.)
- Flammable limits** : Not available.
- Products of combustion** : Decomposition products may include the following materials: carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), phosphates. Some metallic oxides.
- Fire hazards in presence of various substances** : Not considered to be flammable according to our database.
- Explosion hazards in presence of various substances** : Not available.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.  
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** : Wash thoroughly after handling. Do not ingest. Avoid prolonged contact with eyes, skin, and clothing. If swallowed, seek medical advice immediately and show this container or label. After handling, always wash hands thoroughly with soap and water.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 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.

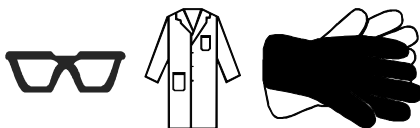
**Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**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.

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

## Section 9. Physical and chemical properties

**Physical State and Appearance** : Liquid.

**Color** : White

**Odor** : Odorless.

**pH** : 8.9 (Conc. (% w/w): 100) [Basic.]

**Relative density** : 1.025 g/cm<sup>3</sup> (20°C / 68°F)

**Viscosity** : Not available.

**Solubility** : Easily soluble in the following materials: cold water, hot water, methanol, diethyl ether, acetone.

**Flash point** : Closed cup: Higher than 93.3°C (200°F). (Pensky-Martens.)

**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 acids.

**Hazardous Decomposition Products** : carbon oxides (CO, CO<sub>2</sub>)

**Hazardous polymerization** : Will not occur.

## Section 11. Toxicological information

2-(2-Butoxyethoxy)ethanol	LD50	5660 mg/kg	Oral	Rat
	LD50	2200 mg/kg	Oral	Rabbit
	LD50	2400 mg/kg	Oral	Mouse
	LD50	2700 mg/kg	Dermal	Rabbit
alcohols, c9-11, ethoxylated	LD50	>2000 mg/kg	Oral	Rat
	LC50	>5 mg/l (0.25 hour(s))	Inhalation	Rat
sodium phosphate, dibasic	LD50	12900 mg/kg	Oral	Rat
	LD50	>7940 mg/kg	Dermal	Rabbit
triphosphoric acid, pentasodium salt	LD50	3120 mg/kg	Oral	Rat
	LD50	3100 mg/kg	Oral	Mouse
	LD50	>4640 mg/kg	Dermal	Rabbit
	LD50	>4640 mg/kg	Dermal	Rabbit
Preservative.	Not available.	Not available.	Not available.	Not available.
Styrene	LD50	2650 mg/kg	Oral	Rat
	LD50	316 mg/kg	Oral	Mouse
	LD50	>1500 mg/kg	Oral	Mammal
	LD50	>1500 mg/kg	Oral	Mammal

**Chronic effects on humans** : Contains material which causes damage to the following organs: mucous membranes, skin, eyes.

**Other toxic effects on humans** : Non-irritant for skin. Non-irritating to the eyes. Non-irritant for lungs.

**Special remarks on toxicity to animals** : Not available.

**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

2-(2-Butoxyethoxy)ethanol	Lepomis macrochirus (LC50)	96 hour(s)	1300 mg/l
sodium phosphate, dibasic	LEUCISCUS IDUS (LC50)	48 hour(s)	>2400 mg/l
Styrene	Selenastrum capricornutum (EC50)	48 hour(s)	0.56 mg/l
	Daphnia magna (EC50)	48 hour(s)	4.7 mg/l
	Pimephales promelas (LC50)	96 hour(s)	4.02 mg/l
	Pimephales promelas (LC50)	96 hour(s)	10 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	25.05 mg/l
	Pimephales promelas (LC50)	96 hour(s)	29 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, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>...), phosphates. Some metallic oxides.

**Toxicity of the products of biodegradation** : The products of degradation are less toxic than the product itself.

**Special remarks on the products of biodegradation** : No additional remark.

## 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
<b>DOT Classification</b>	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
<b>TDG Classification</b>	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
<b>ADR/RID Class</b>	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
<b>IMDG Class</b>	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
<b>IATA-DGR Class</b>	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area

## Section 15. Regulatory information

**WHMIS (Canada)** : Not controlled under WHMIS (Canada).  
CEPA DSL: Water; triphosphoric acid, pentasodium salt; sodium phosphate, dibasic; alcohols, c9-11, ethoxylated; 2-(2-Butoxyethoxy)ethanol; Styrene

### International regulations

**EINECS** : Not available.

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

**International lists** :

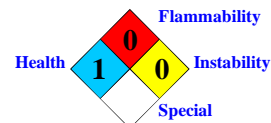
## Section 16. Other information

**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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