



Material Safety Data Sheet



Laminate gloss coating

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 1361000
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.02
Country : Netherlands **Validation date** : 6/2/2010.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 6/2/2010.
Fax : +31 (0)36 54 94 744 **Responsible name** : P. Stienstra
Internet: : www.hg.eu **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 : Consumer product.
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
dipropylene glycol methyl ether	34590-94-8	1 - 5	

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview :
May be irritating to eyes and skin.
Avoid contact with eyes, skin and clothing. Do not swallow. 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 : 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 or prolonged exposure is not known to aggravate medical condition.

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: 207°C (404.6°F) (dipropylene glycol methyl ether).
- Flash Points** : Closed cup: Higher than 93.3°C (200°F).
- Flammable limits** : Greatest known range: Lower: 1.1% Upper: 14% (dipropylene glycol methyl ether)
- Products of combustion** : Decomposition products may include the following materials: carbon oxides (CO, CO₂), phosphates.
- Fire hazards in presence of various substances** : Not applicable.
- 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. 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** : 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.

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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	: Off-white.
Odor	: Characteristic.
pH	: 8.8 (Conc. (% w/w): 100) [Basic.]
Relative density	: 1.013 g/cm ³ (20°C / 68°F)
Viscosity	: Dynamic: Highest known value: 1034 cP (Watery modified maleinresin.) Weighted average: 549.79 cP
Solubility	: Easily soluble in the following materials: diethyl ether. Partially soluble in the following materials: cold water, hot water, methanol, acetone.
Flash point	: Closed cup: Higher than 93.3°C (200°F).
Explosive properties	: Not available.
Explosion Limits	: Greatest known range: Lower: 1.1% Upper: 14% (dipropylene glycol methyl ether)
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, CO ₂)
Hazardous polymerization	: Yes.

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
Tributoxyethyl phosphate	LD50	6200 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Dermal	Rabbit
	1-Methoxy-2-propanol	LD50	5700 mg/kg	Oral
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
Nonionics	LD50	13792 mg/kg	Oral	Rat

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Watery modified maleinresin.	LD50	>2000 mg/kg	Oral	Rat
Ethoxylated alcohol.	LD50	>5000 mg/kg	Oral	Rat
Ammonia	LD50	350 mg/kg	Oral	Rat
	LDLo	43 mg/kg	Oral	human
	LDLo	750 mg/kg	Oral	Cat.

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 : 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 : 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
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
Tributoxyethyl phosphate	Pimephales promelas (LC50)	96 hour(s)	11.2 mg/l
	Daphnia (LC50)	48 hour(s)	10 to 100 mg/l
Nonionics	FATHEAD MINNOWS (LC50)	96 hour(s)	61.7 to 71.7 mg/l

BOD and COD : Not available.

Biodegradable/OECD : Inherently biodegradable.

Mobility : Not available.

Products of degradation : Decomposition products may include the following materials: carbon oxides (CO, CO₂) and water, phosphates.

Toxicity of the products of biodegradation : The product itself and its products of degradation are not toxic.

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
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).
 CEPA DSL: Water; dipropylene glycol methyl ether; Tributoxyethyl phosphate; 1-Methoxy-2-propanol; phosphoric acid, tris(2-methylpropyl) ester; Watery modified maleinresin.; Ammonia; Styrene; poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ether with .alpha.-fluoro-.omega.-(2-hydroxyethyl)poly(difluoromethylene) (1:1); propan-2-ol; 1,4-dioxane; poly(oxy-1,2-ethanediyl), .alpha.-isodecyl-.omega.-hydroxy-

International regulations

EINECS : Not available.

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

International lists :

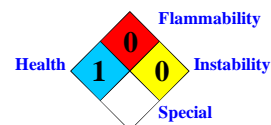
Section 16. Other information

Label Requirements : May be irritating to eyes and skin.

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.