



Material Safety Data Sheet



Laminate spray for daily use

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 465075164
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.04
Country : Netherlands **Validation date** : 9/22/2010.
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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
water	7732-18-5	75-100	Not available.
propan-2-ol	67-63-0	0 - 1	Not available.
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c12-14-alkyl ethers, sodium salts	68891-38-3	0-0.5	Not available.
Perfume ingredient.		0-0.1	Not available.
glutaronitrile, 2-bromo-2-(bromomethyl)-	35691-65-7	0-0.01	Not available.
2-Phenoxyethanol	122-99-6	0-0.04	Not available.
alcohols, c11-14-iso-, c13-rich, ethoxylated	78330-21-9	0-0.02	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : No specific hazard.
No specific hazard.
Avoid breathing vapor or mist.

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

Potential acute health effects

Eyes : May cause eye irritation.

Skin : No known effect after skin contact. Rinse with water for a few minutes.

Inhalation : Can cause irritation.

Ingestion : No known significant effects or critical hazards.

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].
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 : Over-exposure by inhalation may cause respiratory irritation.

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[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** : May be combustible at high temperature.
- Auto-ignition Temperature** : Lowest known value: 399°C (750.2°F) (propan-2-ol).
- Flash Points** : Closed cup: >100°C (212°F).
- 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** : Use an extinguishing agent suitable for surrounding fires. SMALL FIRE Use DRY chemical powder. LARGE FIRE Use water spray or fog. Do not use water jet.
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. Keep out of the reach of children. Avoid prolonged contact with eyes, skin, and clothing. If ingested, seek medical advice immediately and show the container or the label. Do not ingest. Do not breathe gas/fumes/ vapor/spray.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep out of the reach of children.

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Section 8. Exposure Controls, Personal Protection

Engineering controls : No special ventilation requirements.

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. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. 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 : Clear. Colorless.

Odor : Fragrance like.

pH : 8.5 (Conc. (% w/w): 100) [Basic.]

Relative density : 0.997 g/cm³ (20°C / 68°F)

Viscosity : Not applicable.

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

Flash point : Closed cup: >100°C (212°F).

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). Keep away from heat, sparks and flame.

Incompatibility with various substances : Not considered to be reactive according to our database.

Hazardous Decomposition Products : Not available.

Hazardous polymerization : Will not occur.

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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
	LDLo	5272 mg/kg	Oral	man

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].
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 : Slightly hazardous by the following route of exposure: of eye contact (irritant), of inhalation (lung irritant).

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 : Contains material which may cause cancer based on animal data. 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
	Pimephales promelas (LC50)	96 hour(s)	11130 mg/l

BOD and COD : Not available.

Biodegradable/OECD : 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.

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.

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Section 14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
ADR/RID Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

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 :

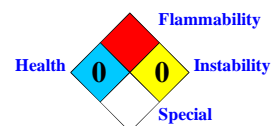
Section 16. Other information

Label Requirements : No specific hazard.

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

Health	0
Fire hazard	0
Reactivity	0
Personal protection	C

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



References : Not available.

Other special considerations : Not available.

Date of printing : 9/22/2010.

Date of issue : 9/22/2010.

Date of previous issue : No previous validation.

Version : 2.04

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.