

SAFETY DATA SHEET

Laminate gloss coating

- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
- Notes to physician** : Not available.
- Specific treatments** : Not available.
- See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : Use an extinguishing agent suitable for surrounding fires.
- Special exposure hazards** : No specific hazard.
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂), phosphates.
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> dipropylene glycol methyl ether	EH40-WEL (United Kingdom (UK), 1/2005). Skin TWA: 308 mg/m ³ 8 hour(s). Form: All forms TWA: 50 ppm 8 hour(s). Form: All forms

- Exposure controls**
- Occupational exposure controls** : Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.

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Hand protection : Butyl rubber gloves. Permeation time \geq 8 hours: (5 mm)

Eye protection : safety glasses with side shields

Skin protection : Work uniform or laboratory coat.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.

Colour : White.

Odour : Characteristic.

Important health, safety and environmental information

pH : 8.8 (Conc. (% w/w): 100) [Basic.]

Melting point : May start to solidify at 140 to 160°C (284 to 320°F) based on data for: Watery modified maleinresin.. Weighted average: 2.47°C (36.4°F)

Boiling point : The lowest known value is 100°C (212°F) (Water). Weighted average: 102.64°C (216.8°F)

Flash point : Closed cup: Higher than 93.3°C (200°F).

Explosive properties : Not available.

Explosion Limits : The greatest known range is Lower: 1.1% Upper: 14% (dipropylene glycol methyl ether)

Oxidising properties : Not applicable

Relative density : 1.013 g/cm³ (20°C / 68°F)

Solubility : Easily soluble in diethyl ether.
Partially soluble in cold water, hot water, methanol, acetone.

Viscosity : Dynamic: The highest known value is 1034 cP (Watery modified maleinresin.) Weighted average: 549.79 cP

Evaporation rate (butyl acetate = 1) : 0.02 (dipropylene glycol methyl ether) compared to Butyl acetate.

Other information

Auto-ignition temperature : The lowest known value is 207°C (404.6°F) (dipropylene glycol methyl ether).

10. Stability and reactivity

Stability : The product is stable.

Conditions to Avoid : Stable under recommended storage and handling conditions (see section 7).

Materials to avoid : Reactive with oxidising agents.

Hazardous Decomposition Products : These products are carbon oxides (CO, CO₂), phosphates.

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin Contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Acute toxicity

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<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Watery modified maleinresin.	LD50	>2000 mg/kg	Oral	Rat
dipropylene glycol methyl ether	LD50	5135 mg/kg	Oral	Rat
	LD50	9500 mg/kg	Dermal	Rat
	LD50	9500 mg/kg	Dermal	Rabbit

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

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

Other adverse effects : Not available.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
dipropylene glycol methyl ether	PIMEPHALES PROMELAS (LC50)	48 hour(s)	>10000 mg/l

Other ecological information

Persistence/degradability

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Laminate gloss coating	-	-	Inherent

No known significant effects or critical hazards.

Other adverse effects

13. Disposal considerations

Methods of disposal : 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 classification : Not applicable.

: Not available.

Hazardous waste : To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

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14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
ADN 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

15. Regulatory information

EU Regulations

- Risk Phrases** : This product is not classified according to the EU regulations.
- Safety Phrases** : S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice immediately and show this container or label.
- Other EU regulations** : Not available.
- Product use** : Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Consumer applications.
- Additional warning phrases** : Safety data sheet available for professional user on request.
- EC Statistical classification (Tariff Code)** : 32089091
- Ingredients identification information** : preservation agents: (ethylenedioxy)dimethanol, 1,3-bis(hydroxymethyl)urea, [2-(2-butoxyethoxy)ethoxy]methanol, BENZISOTHIAZOLINONE, Methylchlorisothiazolinone, Methylisothiazolinone.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) : R36/37/38- Irritating to eyes, respiratory system and skin.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK) : Xi - Irritant

History

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Verified by T. Rutgers.

Notice to reader

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This safety data sheet is prepared in accordance with EU
directive 91/155/EC amended by Directive 2001/58/EC



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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.

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