



# SAFETY DATA SHEET

## 1. Identification of the preparation and of the company/undertaking

Product Name and/or Code : GELPROTECT SFE200 CURING AGENT 97351

Company name and address : Blakes Paints  
Swanwick Marina  
Southampton  
Hampshire SO31 7EF  
Telephone: 01489 864440

Emergency phone:  
01489 864440  
See section 4 First aid measures.

Product Type : polyamine adduct curing agent

Field of application : used only as part of two- or multicomponent products.

Date of issue : 25-02-2004.

Date of previous issue : No Previous Validation.

## 2. Composition/information on ingredients

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Ingredient Name	CAS no.	%	EC Number	Classification
benzyl alcohol	100-51-6	20-30	202-859-9	Xn; R20/22
3-aminomethyl-3,5,5- trimethylcyclohexylamine	2855-13-2	20-30	220-666-8	Xn; R21/22 C; R34 R43 R52/53
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	2-5	202-013-9	Xn; R22 Xi; R36/38

### Notes

(\*) See full text of phrases under Chapter 16 and \* Occupational Exposure Limit(s), if available, are listed in Section 8

## 3. Hazards identification



### Corrosive

Harmful by inhalation and if swallowed. May cause sensitisation by skin contact. Causes burns.

## 4. First-aid measures

**General** : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation** : Move the person into fresh air and keep the person under surveillance. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

**Eye Contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.

**Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. In case of burns flush with water until the pain ceases. While flushing remove clothing from the affected area unless it is burnt into the skin. If hospital treatment is necessary flushing must continue during transfer and until the hospital staff takes

- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting unless directed to do so by medical personnel. Lower the head so that the vomit will not reenter the mouth and throat.

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## 5. Fire-fighting measures

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Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Fire-fighters should wear proper protective equipment. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

- Extinguishing Media** : Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray.  
Not to be used : waterjet.
- Fire Degradation Products** : These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...).  
Some metallic oxides.

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## 6. Accidental release measures

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Avoid all direct contact with the spilled material. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulation

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## 7. Handling and storage

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### Handling

Handle with care and dispose of in a safe manner. Avoid all possible contact with the product.

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

### Storage

Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children.

Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

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## 8. Exposure controls/personal protection

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- Engineering measures** : Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Occupational Exposure Limits** : Not applicable.
- Personal protective equipment**
- General** : Gloves must be worn for all work that may result in soiling.  
Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product.
- Skin and body** : Wear suitable protective clothing. Always wear protective clothing when spraying.
- Hands** : Wear suitable gloves. Barrier creams may help to protect the exposed areas of the skin, but should not be applied once exposure has occurred. Barrier creams may not be used under or instead of gloves.  
It is not possible to specify precise type of gloves, since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type.
- Eyes** : Face shield or Safety glasses with side shields.

## 9. Physical and chemical properties

Physical state	: Liquid.
Density	: 1.26 g/cm <sup>3</sup>
Solubility	: Partially soluble in cold water, hot water.
Flash point	: Closed cup: 101°C (213.8°F).
Explosion Limits	: 1.2 - 15 vol %
% by Weight	: Weighted average: 0 %
% by Weight	: Weighted average: 0 %
VOC Content	: Weighted average: 5 g/l (CEPE)
TOC Content	: Weighted average: 306 g/l
Solvent Gas	: 0.001 m <sup>3</sup> /l paint

## 10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7).

Reactive with metals.

Slightly reactive to reactive with oxidising agents.

When exposed to high temperatures (i.e. in case of fire) hazardous decomposition products may be formed:

These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...). Some metallic oxides.

## 11. Toxicological information

### Effects and symptoms

Inhalation of vapor or gas from a corrosive substance may result in health effects such as stinging, coughing and in extreme cases, dyspnoea or loss of consciousness with a risk of lung damage, possibly lung oedema. Cauterization of skin and mucous membr

**Sensitization** : Contains (3-aminomethyl-3,5,5- trimethylcyclohexylamine). May produce an allergic reaction.

## 12. Ecological information

The product must not be drained into water courses or drainage system.

Ingredient Name	Species	Period	Result
benzyl alcohol	Lepomis macrochirus (LC50)	96 hour(s)	10 mg/l
	Pimephales promelas (LC50)	96 hour(s)	460 mg/l
3-aminomethyl-3,5,5- trimethylcyclohexylamine	Daphnia magna (EC50)	48 hour(s)	17.4 mg/l

## 13. Disposal considerations

This product is listed as Hazardous by the EU Directive on hazardous waste. Dispose of according to all national and local applicable regulations.



European waste catalogue no. (EWC) and national waste group, catalogue, code or number is given below.

EWC no. : 08 01 11

## 14. Transport information

Transport may take place according to national regulation or ADR for transport by road, RID for transport by train, IMDG for transport by sea.

The transport classification is according to ADR 2003, IMDG edition 2002 (incl. Amdt. 31-02).

	UN-no.	Proper shipping name	Class	Packing group	Label	Additional Information
<b>ADR/RID Class</b>	UN1760	CORROSIVE LIQUID, N.O.S. (3-aminomethyl-3,5,5- trimethylcyclohexylamine)	8	III		<b>Remarks</b> H-31
<b>IMDG Class</b>	UN1760	CORROSIVE LIQUID, N.O.S. (3-aminomethyl-3,5,5- trimethylcyclohexylamine)	8	III		<b>EmS</b> F-A, S-B

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## 15. Regulatory information

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Classification and labelling according to EU-Directives (the Preparations directive etc.).

Classification	: <b>Corrosive</b>
Contains	: - benzyl alcohol - 3-aminomethyl-3,5,5- trimethylcyclohexylamine
Risk Phrases	: R20/22- Harmful by inhalation and if swallowed. R34- Causes burns. R43- May cause sensitisation by skin contact.
Safety Phrases	: S1/2- Keep locked up and out of the reach of children. S23- Do not breathe vapor/spray. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S51- Use only in well-ventilated areas.

### Other EU regulations

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.

- Consumer applications, Industrial applications, Used by Spraying.

Child protection : Yes, applicable.

Tactile warning of danger : Yes, applicable.

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## 16. Additional Information

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Full text of R phrases referred to in Sections 2 and 3 - United Kingdom (UK)	: R20/22- Harmful by inhalation and if swallowed. R21/22- Harmful in contact with skin and if swallowed. R22- Harmful if swallowed. R34- Causes burns. R36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Full text of classifications referred to in Sections 2 and 3 - United Kingdom (UK)	: C - Corrosive Xn - Harmful Xi - Irritant

### Notice to Reader

Modified data or content compared with the previous version are marked with a triangular marker in the upper-left corner within the Safety Data Sheet.

The information contained in this safety data sheet is based on the present state of knowledge and EU and national legislation. It provides guidance on health, safety and environmental aspects for handling the product in a safe way and should not be construed as any guarantee of the technical performance or suitability for particular applications. It is always the duty of the user/employer to ascertain that the work is planned and carried out in accordance with the national regulations.