



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

1. IDENTIFICATION OF THE PREPARATION AND COMPANY.

Product code and name: Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze
Crown Trade Timonox Flame Retardant Activator

Product No: 5040351 – 5040352

Intended use: The protection and decoration of interior surfaces;
Applied by brush or roller. See container for details.

Name, address and telephone number: Crown Trade,
Crown Paints, Crown House, Hollins Road,
Darwen, Lancashire, United Kingdom, BB3 OBG.
Telephone: 01254 704951
Fax: 01254 702678
Email: crowntrade.co.uk

Contact person: Product SHE info officer

2. HAZARDS IDENTIFICATION

FOR THE GLAZE ONLY:-

This product is classified as not dangerous for supply according to CHIP.

FOR THE ACTIVATOR ONLY:-

CORROSIVE

Harmful if swallowed

Causes burns

Contains: 3-aminopropyltriethoxysilane

FOR THE MIXED PREPARATION:- mixed at a ratio of 4 parts glaze to 1 part activator

CORROSIVE

Causes burns

Contains: 3-aminopropyltriethoxysilane

The activator and the mixed preparation are both strongly irritating to eyes and skin and may cause serious damage



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health hazard within the meaning of Chemicals (Hazard Information and Packaging for Supply) Regulations (CHIP) or assigned workplace exposure limits.

Name	CAS No	EC No	Conc. Range (%)	Symbol Letter	R-phrases (*)
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For the glaze only:-

This product does not contain substances at concentrations presenting a health hazard within the meaning of the Chemicals (Hazard Information and Packaging for supply) regulations (CHIP) or assigned occupational exposure limits.

For the activator only:-

3-aminopropyltriethoxysilane	919-30-2	213-048-4	60-100	C	R22, R34
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(*) for full text see Section 16

4. FIRST AID MEASURES

General:

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

Inhalation:

Seek medical attention immediately. Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in a prone position with head to the side (recovery position) and seek medical advice.

Eye Contact:

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Skin Contact:

Remove contaminated clothing. Flush skin thoroughly for at least 15 minutes with water. Do NOT use solvents or thinners. Seek medical attention.

Ingestion:

If accidentally swallowed obtain immediate medical attention, preferably at the nearest hospital accident emergency unit. Show this safety data sheet. Keep at rest. Do NOT induce vomiting. If conscious give milk or water to drink.

5. FIRE FIGHTING MEASURES

Extinguishing media:

Recommended: alcohol resistant foam, CO₂, powder, water spray/mist.

Not to be used: water jet

Recommendations:



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

Product will burn if involved in a fire. Cool closed containers exposed to fire with water spray. Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus will be required. Do not allow waste from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Floors may become slippery. Warn others of the dangers present and exclude non-essential personnel. Refer to protective measures listed in Sections 7 & 8. Avoid breathing vapours. Do not allow to enter drains or water courses. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a clearly labelled suitable container for disposal in accordance with the waste regulations (see Section 13). Clean preferably with a detergent; avoid the use of solvents.

7. HANDLING AND STORAGE

Handling

Apply product only in accordance with methods stated in Section 1.

Avoid skin and eye contact. Avoid inhalation of vapour. For personal protection, see Section 8. Electrical equipment should be protected to the appropriate standard.

Keep the container tightly closed. Exclude sources of heat, sparks and open flame.

Smoking, eating and drinking should be prohibited in areas of storage and use.

Never use pressure to empty; the container is not a pressure vessel.

Always keep in containers made of the same material as the supply container.

Protect from atmospheric water or moisture. Good housekeeping standards and regular safe removal of waste materials will minimise risks of spontaneous combustion and other fire hazards.

The Manual Handling Operations Regulations may apply to the handling of containers of this product. Packs with a volume content of 5 litres or more may be marked with a maximum gross weight. To assist employers the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in Section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

Storage

Observe the label precautions. Store between 5° and 30°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. The principles contained in the HSE's guidance note HS(G)71 'Storage of Packaged Dangerous Substances' should be observed when storing this product. Store separately from oxidising agents and strongly alkaline and strongly acidic materials. Protect from atmospheric water or moisture

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

All engineering control measures used to control exposure to hazardous substances must be selected, maintained, examined and tested to meet the requirements of the Control of Substances Hazardous to Health Regulations (COSHH). Similarly all personal protective equipment, including respiratory protective equipment, must be selected, issued and maintained to meet the requirements of COSHH. These requirements include the provision of any necessary information, instruction and training with regard to their use.

Special precautions should be taken during surface preparation of pre-1960's paint surfaces over wood and metal as they may contain harmful lead.

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of solvent vapours below the relevant workplace exposure limits, suitable respiratory protective equipment should be worn. (see "Personal protection" below).

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be worn.

Exposure Limits

None assigned

Personal Protection

Respiratory protection:

Local exhaust ventilation and good general extraction should be provided and suitable respiratory protective equipment should be worn. Where high levels of solvent vapour are likely to arise air-fed respiratory protective equipment should be worn.



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

Hand Protection:

When skin exposure may occur wear gloves. Advice should be sought from glove suppliers on appropriate types.

Eye Protection:

Eye protection designed to protect against liquid splashes should be worn.

Skin Protections:

Cotton or cotton/synthetic overalls or coveralls must be worn.

Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Always wash your hands before eating, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

For the glaze only:-

Appearance:	Viscous liquid	
Flash point:	>100°C	method: ASTM D93.
Boiling point:	250°C	
Specific gravity:	1.3	method: BS 3900 Part A12.
Solubility in water:	Insoluble	

For the activator only:-

Appearance:	Colourless viscous liquid	
Odour:	amine	
Flash point:	96°C	method: ASTM D93.
Boiling point:	223°C	
Melting point:	<-70°C	
Specific gravity:	0.95 @ 20°C	method: BS 3900 Part A12.
Solubility in water:	reacts rapidly with water	
Vapour pressure:	<1kPa @20°C	
Evaporation rate:	<1	



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions. (See section 7). In a fire, hazardous decomposition products such as smoke, oxides of carbon, oxides of nitrogen and oxides of silicon may be produced. Keep away from moisture, water, oxidising agents, strong alkalis and strongly acidic materials to prevent the possibility of exothermic reaction. Reaction with water or other aqueous media is rapid and exothermic. The addition of small amounts of water (2-15%) can produce an exothermic reaction which generates alcohol, to the extent that the resulting solution can reach a temperature that exceeds its flash point.

11. TOXICOLOGICAL INFORMATION

Exposure to vapours may result in adverse health effects such as irritation of the mucous membranes and respiratory system, sore throat, coughing shortness of breath and delayed lung oedema.

The product can cause burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, oedema of the larynx and lungs and chemical pneumonitis.

If the product is ingested, it can cause gastrointestinal burns. Irritation of the digestive tract will occur with nausea, vomiting and diarrhoea.

Exposure to the skin can result in severe irritation, redness and pain.

Splashes in the eyes can cause severe irritation, redness, pain and may result in corneal damage.

12. ECOLOGICAL INFORMATION

These products have been assessed following the conventional method in CHIP and are not classified as dangerous for the environment. See sections 3 and 15 for details.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product. See also sections 5, 6 and 13.



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

13. DISPOSAL CONSIDERATIONS

When this coating, in its liquid state, becomes a waste, it is categorised as hazardous waste with code 08 01 11 (list of wastes).

Part used containers, not drained and/ or rigorously scraped out and containing dried residues of the coating, are categorised as non-hazardous waste, with code 08 01 12 (list of wastes).

Used containers, drained and/ or rigorously scraped out and containing dried residues of the coating, are categorised as non-hazardous waste, with code 15 01 12 or 15 01 04 (list of wastes).

If mixed with other wastes, the above waste code may not be applicable.
Do not allow into drains or water courses or dispose of where ground or surface water may be affected.

14. TRANSPORT INFORMATION

Transport within users premises:

Always transport in closed containers that are upright and secure.

Ensure that persons transporting the product know what to do in the event of accident or spillage.

Transport must be in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/ IATA for air.

These products are classified for transport as follows:-

For the glaze only:-

Not dangerous for transport.



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

For the hardener only:-



UK ROAD CLASS	8	PROPER SHIPPING NAME	PAINT
UN NO. ROAD	3066	UN ROAD PACK GROUP	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances
ADR PACK GROUP	III	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2X
CEFIC TEC NO.	80GC9-II+III	RID CLASS NO.	8
RID PACK GROUP	III	UN NO. SEA	3066
IMDG CLASS	8	IMDG PACK GR.	III
EMS	F-A, S-B	MARINE POLLUTANT	No.
UN NO. AIR	3066	AIR CLASS	8
AIR PACK GROUP	III		

15. REGULATORY INFORMATION

The products are classified and labelled for supply in accordance with the Chemicals (Hazard Information Packaging for supply) Regulations (CHIP) as follows:

For the glaze only:-

This product does not contain substances at concentrations presenting a health hazard within the meaning of the Chemicals (Hazard Information and packaging for supply) regulations (CHIP).

For the Activator only:-



CORROSIVE

HARMFUL

Causes burns

Harmful if swallowed

Contains: 3-aminopropyltriethoxysilane

Keep locked and out of reach of children

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing, gloves and eye/ face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Please note:- This product is supplied as a two pack product, designed to be mixed and used immediately on site; Therefore supply information is not listed for the mixed product.



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

UK REGULATORY REFERENCES.

The product is classified in accordance with the chemicals (Hazard Information and Packaging for Supply) regulations (CHIP).

The information contained in this safety data sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation.

The provision of the Health and Safety at Work act and the Control of Substances Hazardous to Health regulations apply to the use of this product at work.

EU DIRECTIVES

Dangerous Substances Directive 67/548/EEC (as amended).

Dangerous Preparations Directive 199/45/EC (as amended).

Registration, Evaluation, Authorisation and restriction of Chemicals (REACH) 1907/2006 EC

Classification Labelling and Packaging of Substances and mixtures 1272/2008EC

APPROVED CODE OF PRACTICE

Approved classification and labelling guide (Sixth edition).

The compilation of Safety Data Sheets (Third edition).

GUIDANCE NOTES

Workplace Exposure Limits EH40, Storage of Flammable liquids in containers HS(G)51, Storage of packed dangerous substances HS(G)71

NATIONAL REGULATIONS

The Control Of Substances Hazardous to Health regulations (as amended).

The Manual Handling Operations regulations (as amended).

The Environmental Protection (duty of care) regulations (as amended). The Chemicals (Hazard Information and Packaging) for supply regulations (as amended). The Health and Safety at Work act 1974 (as amended).

16. OTHER INFORMATION

Text of R phrases listed in Section 2.

R No.	Phrase.
R22	Harmful if swallowed.
R34	Causes burns.

The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP Regulations.



SAFETY DATA SHEET

Crown Trade Timonox Flame Retardant Anti-Graffiti Glaze (2 Pack)

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instruction.

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

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SDS No: Revision 3