

# SAFETY DATA SHEET

Product Range: Crown Trade Timonox  
2 Pack – Flame Retardant Anti-Graffiti Lacquer.

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## 1. IDENTIFICATION OF THE PREPARATION AND COMPANY.

Product code 5974 Crown Trade Timonox Flame Retardant Anti Graffiti Lacquer.  
and name: 5972 Crown Trade Timonox Flame Retardant Anti Graffiti Lacquer Activator

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

Name, address and telephone number: Akzo Nobel Decorative Coatings Ltd.  
PO Box 37, Crown House, Hollins Road,  
Darwen, Lancashire, United Kingdom, BB3 OBG.  
Telephone: 01254 704951.

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## 2. HAZARDS IDENTIFICATION

For the Lacquer only:-  
This product is not classified as dangerous for supply according to the CHIP Regulations.

For the Lacquer Activator only:-  
**Corrosive**  
**Harmful if swallowed**  
**Causes burns**  
**Contains: 3-aminopropyltriethoxysilane**

For the preparation once mixed at a ratio of 4 parts lacquer to 1 part Activator:  
**Corrosive**  
**Causes burns**  
**Contains: 3-aminopropyltriethoxysilane**

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## 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 Lacquer 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 Lacquer Activator only:-**

3-Aminopropyltriethoxysilane	919-30-2	213-048-4	60-100	C	R22, R34
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**For the preparation once mixed at a ratio of 4 parts lacquer to 1 part Activator:-**

3-Aminopropyltriethoxysilane	919-30-2	213-048-4	12-20	C	R22, R34
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(\*) for full text see Section 16

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## 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 immediately. 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.

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## 5. FIRE FIGHTING MEASURES

### Extinguishing media:

Recommended: alcohol resistant foam, CO<sub>2</sub>, powder.

Not to be used: water jet

### Recommendations:

Product will burn if involved in a fire.

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.

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## 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 and 8. Avoid breathing vapours. Contain and collect spillages with inert, 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). Do not allow to enter drains or water courses. Avoid the use of solvents. 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.

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## 7. HANDLING AND STORAGE

### Handling

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

For personal protection, see Section 8.

Avoid skin and eye contact. Avoid inhalation of vapour.

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 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.

### 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.

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## 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** – non 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.

#### 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:

Suitable 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

For the Lacquer only:-

physical state:	viscous Liquid.	
flash point:	(to be determined)	method: BS 3900 Part A9.
boiling point:	(to be determined)	
viscosity:	(to be determined)	method: BS 3900 Part A7.
specific gravity:	1.3	method: BS 3900 Part A12.
solubility in water:	Immiscible.	

For the Lacquer Activator only:-

physical state:	colourless viscous Liquid.	
odour:	amine	
flash point:	96 °C	method: BS 3900 Part A9.
boiling point:	220 °C @ 1.013 hPa	
melting point:	<-70 °C	
viscosity:	(to be determined)	method: BS 3900 Part A7.
specific gravity:	0.96	method: BS 3900 Part A12.
solubility in water:	reacts rapidly with water.	
vapour pressure:	<1.33hPa @20°C	
evaporation rate:	<1	

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## 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 which exceeds the flash point of the new solution.

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## 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 chemical burns to the respiratory tract.

Inhalation may be fatal as a result of spasm, inflammation, oedema of the larynx and lung 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 skin irritation, redness and pain.

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

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## 12. ECOLOGICAL INFORMATION

This product has been assessed following the conventional method in CHIP and is 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.

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## 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are classed as special waste and should be disposed of in accordance with regulations made under the Environmental Protection Act, Special Waste regulations.

Using the information provided in this safety data sheet, advice should be obtained from the Environment Agency as to how the special waste regulations apply.

For further information, see "Waste Management - The Duty of Care - A Code of Practice" available from HMSO.

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## 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.

These products are classified for transport as follows:-

For the Lacquer only:-

Not dangerous for transport.

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For the Lacquer Activator only:-

Onward transport subsequent to purchase:

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

Template Number: (to be determined)  
Proper Shipping Name: Amines, Liquid, Corrosive, N.O.S.\*  
UN Number: 2735  
Hazard Class: 8  
Packing Group: III  
Sub Hazard Class: -  
Marine Pollutant: No  
Emergency Schedule number (IMDG only): F-A, S-B  
Flash point °C (IMDG Only): (to be determined)

Due to the viscosity of these products the following additional clauses may apply:-

**IMDG;** In pack sizes up to and including 30L, under the terms of 2.3.2.5, these products are not subject to the packaging, labelling and marking requirements of the IMDG code, but full documentation and placarding of cargo transport units is still required.

**ADR;** In pack sizes less than 450L, under the terms of 2.2.3.1.5, this product is not subject to the provisions of ADR

**ICAO/ IATA;** The full requirements of ICAO and IATA apply irrespective of pack size.

Please note:- This product is designed to be mixed and used immediately on site; Therefore transport information is not listed for the mixed product.

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## 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 Lacquer only:-

The product is determined as not being dangerous for supply according to the Chemicals (Hazard Information and Packaging for supply) Regulations.

For the Lacquer activator only:-



**Corrosive**

**Harmful if swallowed**

**Causes burns**

**Contains: 3-aminopropyltriethoxysilane**

Keep locked up 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).

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## 15. REGULATORY INFORMATION cont....

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.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

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## 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.

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.

Further guidance on WELs and the assessment of occupational exposure to substances hazardous to health is given in 'EH40 : Workplace exposure limits' published by the HSE.

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.

Further information and relevant advice can be found in:

The Control of Substances Hazardous to Health Regulations (as amended)

The Manual Handling Operations Regulations (as amended)

Storage of Packaged Dangerous Substances, HS(G)71

The Environmental Protection (Duty of Care) Regulations (as amended)

### Revision 1

This information is provided in a revised format to comply with the requirements of the REACH regulations.

C. Horrocks.

25/04/07

claire.horrocks@akzonobel.com