

**Safety Data Sheet**

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

Version No. 5 Date Last Revised 24/06/08

1. Identification of the preparation and company

Preparation/Product Name	ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT
Product Code	200020027
HSE Number	
Intended use	See Technical Data Sheet. For professional use only.
Application Method	See Technical Data Sheet.
Company Name	Cromadex Unit 5 Redwood Business Park Oldbury Road Smethwick Birmingham B66 1NJ
Telephone No.	+44 (0) 121 555 1500
Fax No.	+44 (0) 121 555 6351
24 hour Emergency Telephone No.	+44 (0) 779 965 6086
Official Advisory Body Telephone No.	+44 (0) 207 635 9191 For Advice to Doctors & Hospitals only
Email	sds@internationalpaint.com

2. Hazard identification of the product

Flammable.
Harmful by inhalation.
May cause sensitisation by inhalation and skin contact.

Further information is given in section 11.



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

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3. Composition/information on ingredients

If the product contains substances that present a health hazard within the meaning of the Dangerous Substances Directive 67/548/EC, or have occupational exposure limits detailed in EH40, these substances are listed below.

Ingredient	EINECS	Concentration	Symbol(s)	Risk phrases (*)
1-Methoxy-2-propyl acetate	203-603-9	10 - < 25	Xi	R10, R36
Butyl acetate	204-658-1	2.5 - < 10		R10,R66,R67
Ethylbenzene	202-849-4	1 - < 2.5	F,Xn	R11, R20
Hdi homopolymer	500-060-2	50 - 100	Xn	R42/43
Hexamethylene-1,6-diisocyanate	212-485-8	0 - < 1	T	R23, R36/37/38, R42/43
Xylene	215-535-7	2.5 - < 10	Xn	R10,R20/21,R38

* The full texts of the phrases are shown in section 16.

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

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eye Contact

Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser. Do NOT use solvents or thinners.

Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

Version No. 5 Date Last Revised 24/06/08

5. Fire-fighting measures

Recommended extinguishing media; alcohol resistant foam, CO². powder, water spray.

Do not use; water jet.

Note; Fire will produce dense black smoke. Decomposition products may be hazardous to health. Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

6. Accidental release measures

Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering.

Ventilate the area and avoid breathing vapours. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

Version No. 5 Date Last Revised 24/06/08

7. Handling and storage

Handling

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.

Examination of lung function should be carried out on a regular basis on persons spraying this preparation.

This coating contains solvents. Solvent vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Areas of storage, preparation and application should be ventilated to prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

In Storage

Handle containers carefully to prevent damage and spillage.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

Precautions should be taken to minimise exposure to atmospheric humidity or water as carbon dioxide may be formed which, in closed containers can result in pressurisation. Care should be taken when re-opening partly used containers.

In Use

Avoid skin and eye contact. Avoid inhalation of vapours and spray mists. Observe label precautions. Use personal protection as shown in section 8.

Smoking, eating and drinking should be prohibited in all preparation and application areas.

Never use pressure to empty a container; containers are not pressure vessels.

All sources of ignition (hot surfaces, sparks, open flames etc) should be excluded from areas of preparation and application. All electrical equipment (including torches) should be protected (Ex) to the appropriate standard.

The product may charge electrostatically. Always use earthing leads when pouring solvents and transferring product. Operators should wear clothing which does not generate static (at least 60% natural fibre) and antistatic footwear; floors should be of conducting type.

Activities such as sanding, burning off etc. of paint films may generate dust and/or fumes hazardous to the skin and lungs. Work in well ventilated areas. Use local exhaust ventilation and personal skin and respiratory protective equipment as appropriate.

Storage

Store in a well ventilated, dry place away from sources of heat and direct sunlight.

Store on concrete or other impervious floor, preferably with bunding to contain any spillage. Do not stack more than 3 pallets high.

Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in the original container or one of the same material.

Prevent unauthorised access.

The requirements of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations apply if the flashpoint is between 21°C and 32°C.



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

Version No. 5 Date Last Revised 24/06/08

8. Exposure controls and personal protection

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 particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.

Exposure Limits

The following workplace exposure limits have been established by the Health and Safety Executive as published in EH40.

Material	Short term (15 min. ave)		Long term (8hr TWA)		Comments
	ppm	mg/m ³	ppm	mg/m ³	
1-Methoxy-2-propyl acetate	100	548	50	274	+
Butyl acetate	200	966	150	724	
Ethylbenzene	125	552	100	441	+
Hexamethylene-1,6-diisocyanate	-	0.07	-	0.02 (as-NCO)	S
Xylene	100	441	50	220	+

For Key to entries in 'Comments' column see Section 16

Personal Protection

Respiratory Protection

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators. When spraying this product use a respiratory mask with charcoal and dust filters (as filter combination A2-P2). In confined spaces use compressed air or fresh air respiratory equipment.

Eye Protection

Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids. Eyewear should comply with British Standard 2092.

Hand Protection

Nitrile rubber gloves should be worn during mixing and application.

Skin Protection

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. Barrier creams may help to protect areas which are difficult to cover such as the face and neck. They should however not be applied once exposure has occurred. Petroleum jelly based types such as Vaseline should not be used. All parts of the body should be washed after contact.



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

Version No. 5 Date Last Revised 24/06/08

9. Physical and chemical properties

Physical State	Liquid
Flash Point (deg C)	26
Viscosity (cSt)	100
Specific Gravity	1.045
Vapour Density	Heavier than air.
Lower Explosive Limit	1.1
Solubility in Water	Immiscible
R.A.Q. to ventilate to 10% of the LEL (m ³ /l)	57

10. Stability and reactivity

Stable under recommended storage and handling conditions (see section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid possible exothermic reactions.

11. Toxicological information

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Sections 2 and 15 for details.

Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Based on the properties of the isocyanate content of this product, respiratory exposure may cause acute irritation and/or sensitisation of the respiratory system resulting in asthmatic symptoms, wheezing and a tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to airborne concentrations of isocyanates well below the occupational exposure limit. Repeated exposure may lead to permanent respiratory disability.



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

Version No. 5 Date Last Revised 24/06/08

12. Ecological information

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment

13. Disposal considerations

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

The European Waste Catalogue Classification of this product, when disposed of as waste is 08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances. If mixed with other wastes this code may no longer apply and the appropriate code should be assigned. For further information contact your local waste authority.

14. Transport information

Transport only in accordance with the following regulations:

ADR/RID UN1263 Paint, 3, III

IMDG	Class	3	Subsidiary Class
	Proper Shipping Name	PAINT	
	UN No	1263	
	Ems	F-E,S-E	
	Packaging Group	III	
	Marine Pollutant	No	

ICAO/IATA	Shipping Name	PAINT	
	Class	3	Subsidiary Class
	UN No	1263	
	Packaging Group	III	



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

Version No. 5 Date Last Revised 24/06/08

15. Regulatory information

In accordance with EC Directive 88/379/EEC and the Chemicals (Hazard Information and Packaging for Supply) Regulations SI /3247/1994 this product is labelled as follows:

Symbol(s)

Harmful

Contains;

Hdi homopolymer

R. Phrases;

Flammable.

Harmful by inhalation.

May cause sensitisation by inhalation and skin contact.

S. Phrases;

Avoid contact with skin.

Wear suitable gloves and eye/face protection.

P. Phrases;

Contains isocyanates. See information supplied by the manufacturer.



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Safety Data Sheet

200020027

ANTI-GRAFFITI 2 PACK CLEARCOAT CURING AGENT

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16. Other information

The information in this Health & Safety Data Sheet is required pursuant to Directive 91/155/EEC and the Chemicals (Hazard Information & Packaging for Supply) Regulations 1994.

Key to 'Comments' column in Section 8.

- (+) There is a risk of absorption through unbroken skin.
- (C) Capable of causing cancer and/or heritable genetic damage
- (R) Suppliers recommended limit
- (S) Capable of causing occupational asthma

The full text of the R phrases appearing in section 3 is:

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R23 Toxic by inhalation.
- R36 Irritating to eyes.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R38 Irritating to skin.
- R42/43 May cause sensitisation by inhalation and skin contact.
- R66 Repeated exposure may cause skin dryness or cracking
- R67 Vapours may cause drowsiness and dizziness

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