

# Duragrip Adhesive



## SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY

Product Name: **DURAGRIP ADHESIVE**  
 Company Name: Polycote UK  
 Centre Point • Wolseley Road  
 Woburn Road Industrial Estate  
 Kempston • Beds MK42 7EF  
 Telephone Number: 01234 846400

## SECTION 2: HAZARDS IDENTIFICATION

### Classification under CLP:

Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Hazard pictograms:



Signal word: Warning

**Hazard statements:** H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.

### Precautionary statements:

P280: Wear protective gloves.  
 P280: Wear eye protection.  
 P337+P313 If eye irritation persists: Get medical advice/attention.

**Contains:** 3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXSILANE,  
 DIOCTYLINBIS(ACETYLACETONATE)

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### Chemical Name

CAS No.	EC No.	Classification	Conc.
TRIMETHOXY VINYLSILANE 2768-02-7	220-449-8	Flam. Liq. 3 - H226 Acute Tox. 4 - H332	1-5%
3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXSILANE 1760-24-3	217-164-6	Acute Tox. 4 - H332; Eye Dam. 1 - H318; Skin Sens. 1 - H317	1-5%
DIOCTYLINBIS(ACETYLACETONATE) 54068-28-9	483-270-6	Skin Sens. 1 - H317 STOT SE 2 - H371	<1%

The Full Text for all Hazard Statements are displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

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

**Inhalation:** If inhalation causes adverse effects, remove to fresh air.

**Ingestion:** Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. DO NOT induce vomiting. Get medical attention immediately.

**Skin contact:** Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

**Eye contact:** Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### Most important symptoms and effects, both acute and delayed

**Ingestion:** May cause discomfort if swallowed.  
**Skin contact:** Allergic rash.  
**Eye contact:** Causes serious eye irritation.

## SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray, fog or mist. Foam, carbon dioxide or dry powder.

**Unsuitable media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Haz. combust. products:** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Specific hazards:** Oxides of carbon. Oxides of nitrogen. No unusual fire or explosion hazards noted.

**Protective measures in fire:** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate protective clothing. Avoid contact with eyes and skin.

**Environmental precautions:** Do not discharge into drains, watercourses or onto the ground.

**Spill clean up methods:** Collect and place in suitable waste disposal containers and seal securely. Clean any slippery coating that remains using a detergent/soap solution or other biodegradable cleaner.

## SECTION 7: HANDLING AND STORAGE

**Usage precautions:** Avoid spilling. Avoid contact with skin and eyes. Persons susceptible to allergic reactions should not handle this product. Good personal hygiene procedures should be implemented.

**Storage precautions:** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Usage description:** Gunnable sealant.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Protective equipment:**



**Engineering measures:** No specific ventilation requirements.

**Eye/face protection:** Wear eye protection. Personal protective equipment for eye and face protection should comply with European Standard EN166.

**Hand protection:** Use protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

**Hygiene measures:** Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated.

**Polycote Duragrip Adhesive Cont.**

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**SECTION 9: PHYSICAL & CHEMICAL PROPERTIES**

Appearance:	Paste
Colour:	Black / grey / white
Odour:	Mild
Relative density:	1.44 – 1.54 (g/ml) @ +20°C
Viscosity:	6,000 – 10,000 Ps @ +20°C
Solubility:	Insoluble in water
Flash point:	Not determined
Auto ignition temp:	~400°C

**SECTION 10: STABILITY AND REACTIVITY**

Stability:	Stable under normal temperature conditions and recommended use.
Conditions to avoid:	Avoid excessive heat for prolonged periods of time.
Haz. decomp. products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Acute toxicity - inhalation	
ATE inhalation (gases ppm)	165,782.4933687
ATE inhalation (vapours mg/l)	405.2460949
ATE inhalation (dusts/mists mg/l)	55.26083112
Skin corrosion/irritation: Causes eye irritation.	
Skin sensitisation:	The product contains small amounts of sensitisng substances which may cause an allergic reaction in sensitive individuals.
Inhalation:	No specific health warnings noted.
Ingestion:	May cause discomfort if swallowed.
Skin contact:	May cause sensitisation by skin contact.
Eye contact:	Causes serious eye irritation.

**Toxicological information on ingredients.****TRIMETHOXY VINYL SILANE****Acute toxicity - oral**Notes (oral LD<sub>50</sub>) LD<sub>50</sub> 7120 mg/kg, Oral, Rat**Acute toxicity - dermal**Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> 3434 mg/kg, Dermal, Rabbit**Acute toxicity - inhalation**

Acute toxicity inhalation (LC <sub>50</sub> vapours mg/l)	16.0
Species	Rat
ATE inhalation (vapours mg/l)	16.0

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity: In cross-linked state not soluble in water. Easily separable from water by filtration.

**Ecological information on ingredients.****TRIMETHOXY VINYL SILANE**

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: >=100 mg/l, Brachydanio rerio (Zebra Fish)
	LC <sub>50</sub> , 96 hours: 191 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 168.7 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC <sub>50</sub> , 72 hours: >100 mg/l, Freshwater algae

**3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXY SILANE**

Acute toxicity - fish	LC <sub>50</sub> , 96 hours: 597 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 81 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC <sub>50</sub> , 72 hours: 5.5mg/l mg/l, Algae

**SECTION 13: DISPOSAL CONSIDERATIONS**

General info:	Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods:	Collect and place in suitable waste disposal containers and seal securely.
Waste Class:	HP4 Irritant HP13 Sensitising Recommended EWC Code 08 04 09*

**SECTION 14: TRANSPORT INFORMATION**

General:	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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**SECTION 15: REGULATORY INFORMATION**

EU legislation	Regulation (EC) 1907/2006 REACH (as amended). Regulation (EC) 1272/2008 CLP (as amended).
Guidance	Workplace Exposure Limits EH40.

**SECTION 16: OTHER INFORMATION**

Hazard statements:	H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H371 May cause damage to organs if swallowed. H411 Toxic to aquatic life with long lasting effects.
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The Safety Data above is applicable to the product only as used according to the purposes and methods described on the relevant Technical Data Sheet, available from Polycote UK on request.

The information above is based on our present knowledge and is believed to be correct but does not purport to be all inclusive and should only be used as a guide. No warranty is implied with respect to the specification of the product. It is intended to describe the product solely in terms of its safety requirements and relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. This data does not constitute the users own assessment of workplace risk as required by other Health and Safety legislation, nor is it a sales specification or indication of suitability for any particular use. The user must satisfy himself as to the suitability of the product for his purpose. No legally valid contractual relationship is established by the above data, and Polycote UK shall not be held liable for any damage resulting from handling or from contact with the above product.

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**Polycote UK**

Centre Point • Wolseley Road • Woburn Road Industrial Estate  
Kempston • Beds • MK42 7EF  
Technical Helpline: 01234 846400



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