

Deluxe Materials Ltd SAFETY DATA SHEET

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AD79 BODY ARMOUR

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SECTION 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product name: Body Armour AD79

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Relevant uses: A moisture curing elastomeric sealant/adhesive for bonding and repair

Recommended restrictions: No information available.

1.3 Details of the supplier of the safety data sheet

Supplier: Deluxe Materials Limited, Unit 13 Cufau de Business Park, Cufau de Lane, Bramley,
Hampshire RG26 5DL, United Kingdom

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1.4 Emergency telephone number: + 44 (0) 1256 883944 office hours only

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

2.1.1 Regulation EC 1272/2008

This product is not classified as hazardous according to regulation (EC) 1272/2008 (CLP)

2.2 Label elements

2.2.1 Regulation EC 1272/2008

Hazard pictograms: none

Signal word: none

Hazardous components to be indicated on label:

Contains: 3-(trimethoxysilyl)propylamine

Precautionary statements: none

2.3 Other hazards

Results of PBT and vPvB assessment

This product does not contain any known PBT or vPvB substances

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2

Ingredient	CAS No.	EINECS	REACH registration No.	Classification According to Reg. (EC) 1278/2008 (CLP)	% W/W
Trimethoxy(vinyl)silane	2768-02-7	220-449-8		Flam Liq 2: H225 Acute Tox. 4: H332	0.1– 3%
3-(trimethoxysilyl)propylamine	13822-56-5	237-511-5		Eye dam. 1: H318 Skin Irrit. 2: H315	<1%
N-(3-(trimethoxysilyl)propyl) ethylenediamine	1760-24-3	217-164-6		Acute Tox. 4: H332 Aquatic chronic 2: H411 Skin sens. 1: H317 Eye dam. 1: H317	<1%
Dioctyltin oxide tetraethylorthosilicate	870-08-6 78-10-4	212-791-1 201-083-8	01-2119971268-27-0002 01-2119496195-28-xxxx	STOT SE 2: H371 Flam. Liq. 3: H226 Acute Tox. 4: H332 Eye irrit. 2: H319 STOT SE 3: H335	<1%

*for full text of Hazard statements see section 16.

SECTION 4. FIRST AID MEASURES

- 4.1 General:** In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Skin Contact:** Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS. Seek medical attention if irritation persists.
- Eye Contact:** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.
- Ingestion:** If accidentally swallowed wash mouth with water and give large volumes of water to drink. DO NOT induce vomiting. Seek medical attention.
- Inhalation:** Remove to fresh air. If symptoms persist, or if in doubt, seek medical attention.

4.2 Most important symptoms and effects

- Skin contact:** Prolonged contact may cause irritation and dry skin.
- Eye contact:** . If symptoms persist, or if in doubt, seek medical attention.
- Ingestion:** Do not induce vomiting. Wash out mouth with water. Consult a doctor.
- Inhalation:** There may be irritation of the throat and tightness in the chest. Drowsiness or mental confusion may occur.

SECTION 5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:** Foam, CO₂, powder, water spray/mist.
- 5.2 Special Hazards:** organic compound so black smoke and carbon monoxide and carbon dioxide Will be released in a fire
- 5.3 Advice for firefighters:** Do not allow run off from fire fighting to enter drains or water courses. Wear self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1: Personal precautions and protective equipment**
Avoid skin and eye contact. Wear personnel protective equipment. Ensure adequate ventilation.
- 6.2: Environmental precautions**
Do not allow to enter drains or water courses.
- 6.3: Method for containment and clean up**
Contain and collect spillages and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Take action to avoid static electricity discharge.

SECTION 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited during use. For personal protection see Section 8.
Keep away from sources of ignition. Take precautions to avoid static electricity discharge.
The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.
- 7.2 Precautions for safe storage** Keep containers closed when not in use.
Observe label precautions – Store between 5°C and 25°C. in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly acidic materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control Parameters****EXPOSURE LIMITS:**

Substance	Occupational Exposure Limits				Notations
	8 hr LTEL (1)		15 min STEL(2)		
	ppm	mgm ⁻³	ppm	mgm ⁻³	
dioctyltin oxide		0.1 (WEL)		0.2 (WEL)	

(1) Long-term exposure limit – 8 hour time weighted average.

(2) Short-term exposure limit – 15 mins time weighted average.

(3) WEL - workplace exposure limit

8.2 Exposure Controls

Engineering Measures: Provide adequate ventilation during application and drying.

Respiratory equipment

If ventilation is insufficient suitable respiratory protective equipment must be worn.

Skin & Hand protection

Wear suitable protective clothing and plastic or rubber gloves.

Eye protection

Eye protection designed to protect against liquid splashes should be worn. Equipment should conform to EN166

Hygiene measures

When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

physical state	viscous paste
odour	slight
flash point	N/A
specific gravity	1.48-1.52 @ 20 °C
solubility	not soluble in water.
VOC	<30g/ltr

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal temperature and storage conditions

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Strong acids, bases and oxidising materials

10.5 Incompatible materials

See section 10.4

10.6 Hazardous decomposition products

See section 5

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects not established.

Ingestion:	May cause discomfort if swallowed. May cause stomach pain and nausea
Skin contact:	May cause an allergic skin reaction
Eye contact:	Risk of damage to eyes.
Inhalation:	not significant
Sensitisation:	Not sensitising
STOT:	Not classified

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

No data available

12.2 Persistence and degradability

Biodegradation only slightly biodegradeable.

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects

Not available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of this material as hazardous or special waste in accordance with local or national requirements.

SECTION 14. TRANSPORT INFORMATION

This product is not covered by International regulation on the transport of dangerous goods.

14.1	UN number:	not applicable
14.2	Proper shipping name:	not applicable
14.3	Transport hazard class:	not applicable
14.4	Packing group:	not applicable
14.5	Environmental hazards:	Not classed as Marine pollutant
14.6	Special precautions for users:	no. see section 7
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) 1272/2008 (CLP)

Control of Substances Hazardous to Health Regulations 1999

Environment Act 1995

Management of Health and Safety at Work Regulations 1999

Personal Protective Equipment at Work Regulations 1992

Special Waste Regulations 1996 as amended

HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTES

HS(G)37	An Introduction to Local Exhaust Ventilation
EH40	Occupational Exposure Limits
EH44	Dust: General Principles of Protection
HS(G)53	The Selection, Use and Maintenance of Respiratory Protective Equipment
HS(G)71	Storage of Packaged Dangerous Substances
HS(G)193	COSHH Essentials: easy steps to control chemicals
L23	Manual Handling Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

EN420:	General Requirements for Gloves
EN166:	Personal Eye Protection: Specifications
BS2092:	Eye Protection for Industrial and Non-Industrial Users
BS4275:	Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

SECTION 16. OTHER INFORMATION**Symbols and text used in sections 2 and 3**

Hazard statements:	H225	Highly Flammable liquid and vapour
	H226	Flammable liquid and vapour
	H315	Causes skin irritation
	H317	May cause an allergic skin reaction
	H318	Causes serious eye damage
	H332	Harmful if inhaled
	H335	May cause respiratory irritation
	H371	May cause damage to the immune system
	H411	Toxic to aquatic life with long lasting effects

The information contained in the Health and 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 identified without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present 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 application.