

AT 2K Graphene Epoxy Primer

A two pack epoxy primer designed for superior corrosion protection to ferrous substrates dries to a semi-gloss finish. Has excellent surface properties allowing for maximum adhesion of a wide variety of topcoat systems. A high solid, high opacity, medium build product, allows for single coat application in most circumstances. Typically applied to shot-blasted steel, skips, fabrications, plant, and machinery.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Name:	Alltimes 2K Graphene Epoxy Primer
Product Code:	EC-10-BS677

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Users:	PC9a: Coatings and paints, thinners, paint removers
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1.3 Details of the Supplier of the Safety Data Sheet

Supplier:	Alltimes Coatings Limited Unit 17A, Nailsworth Mills Estate, Nailsworth, Gloucestershire, GL6 0BS. UK
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1.4 Emergency Contact Numbers

Telephone:	01455 272 278
Mobile:	07773 329 424

SECTION 2: Hazards Identification

2.1 Classification of the Substance or Mixture Classification (EC 1272/2008)

Classification Under CLP:	Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317
Most Important Adverse Effects:	Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2 Label Elements

Pictogram:	
Signal Word:	Warning
Hazard Statements:	H226: Flammable liquid and vapour. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects.
Precautionary Statements:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241: Use explosion-proof electrical/ventilating/lighting/... equipment. P280: Wear protective gloves/protective clothing/eye protection/face protection.

2.3 Other Hazards

Other Hazards:	Toluene - Listed in the Europe Regulation (EC) No 1907/2006 - Annex XVII (restrictions may apply)
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SECTION 3: Composition/Information on Ingredients

3.1 Mixtures

XYLENE	10-30%
EINECS:	215-535-7
CAS Number:	1330-20-7
Classification:	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315
BISPHENOL A-(EPICHLORHYDRIN)	10-30%
EINECS:	500-033-5
CAS Number:	25068-38-6
Classification:	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411
1-METHOXY-2-PROPANOL	1-10%
EINECS:	203-539-1
CAS Number:	107-98-2
Classification:	Flam. Liq. 3: H226; STOT SE 3: H336
TRIZINC BIS(ORTHOPHOSPHATE)	1-10%
EINECS:	231-944-3
CAS Number:	7779-90-0
Classification:	Aquatic Chronic 1: H410; Aquatic Acute 1: H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

Eye Contact:	Bathe the eye with running water for 15 minutes.
Skin Contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Inhalation:	Consult a doctor.
Ingestion:	Wash out mouth with water.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Eye Contact:	There may be irritation and redness.
Skin Contact:	There may be mild irritation at the site of contact.
Inhalation:	No symptoms.
Ingestion:	There may be irritation of the throat.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Immediate / Special Treatment:	Not applicable.
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SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media:	Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.
Unsuitable Extinguishing Media:	-

5.2 Special Hazards Arising from the Substance or Mixture

Exposure Hazards:	Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.
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5.3 Advice for Firefighters

Advice for Firefighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes
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SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions:	Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid
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6.2 Environmental Precautions

Environmental Precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
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6.3 Methods & Material for Containment and Cleaning

Methods for Cleaning Up:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks
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6.4 Reference to Other Sections

Reference to Other Sections:	See section 8.
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SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

Handling Requirements:	Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.
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7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions:	Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.
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7.3 Specific End Use(s)

Specific End Use(s):	No data available.
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SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters Occupational Exposure Limits

XYLENE	8 hour TWA	15 min. STEL
Workplace Exposure Limits:	220 mg/m ³	441 mg/m ³
Respirable Dust:	-	-

1-METHOXY-2-PROPANOL	8 hour TWA	15 min. STEL
Workplace Exposure Limits:	375 mg/m ³	560 mg/m ³
Respirable Dust:	-	-

8.2 Exposure Controls

Appropriate Engineering Controls:	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition
Respiratory Protection:	Respiratory protection not required.
Eye/Face Protection:	Safety glasses. Ensure eye bath is to hand.
Hand Protection:	Protective gloves.
Skin/Body Protection:	Protective clothing.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Liquid
Colour:	Grey
Odour:	Characteristic
Viscosity:	No data available
Flash Point:	23 - 60°C

SECTION 10: Stability and Reactivity

10.1 Reactivity

Reactivity:	Stable under recommended transport or storage conditions.
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10.2 Chemical Stability

Stability:	Stable under normal conditions. Stable at room temperature.
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10.3 Possibility of Hazardous Reactions

Possibility of Hazardous Reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
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10.4 Conditions to Avoid

Conditions to Avoid:	Heat. Hot surfaces. Sources of ignition. Flames.
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10.5 Incompatible Materials

Materials to Avoid:	Strong oxidising agents. Strong acids.
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10.6 Hazardous Decomposition Products

Hazardous Decomposition Products:	In combustion emits toxic fumes.
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SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects Acute Toxicity

XYLENE			
ORL:	Mouse	LD50	2119 mg/kg
ORL:	Rat	LD50	4300 mg/kg
SCU:	Rat	LD50	1700 mg/kg

BISPHENOL A-(EPICHLORHYDRIN)			
ORL:	Mouse	LD50	15600 mg/kg
ORL:	Rat	LD50	14000 mg/kg
SKN:	Rabbit	LD50	>20 ml/kg

1-METHOXY-2-PROPANOL			
IVN:	Rat	LD50	4200 mg/kg
ORL:	Mouse	LD50	11700 mg/kg
ORL:	Rat	LD50	3739 mg/kg

Hazard:	Route:	Basis:
Skin Corrosion/Irritation:	DRM	Hazardous: calculated
Serious Eye Damage/Irritation:	OPT	Hazardous: calculated
Respiratory/Skin Sensitisation:	DRM	Hazardous: calculated

11.2 Information on Symptoms and Route of Exposure

Eye Contact:	There may be irritation and redness.
Skin Contact:	There may be mild irritation at the site of contact.
Inhalation:	No symptoms.
Ingestion:	There may be irritation of the throat.

11.3 Toxicological Information on Ingredients

Toxicology:	No data available.
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SECTION 12: Ecological Information

12.1 Toxicity

Toxicity:	No data available.
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12.2 Ecological Information

Persistence and Degradability:	Biodegradable.
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12.3 Bioaccumulative Potential

Bioaccumulative Potential:	No bioaccumulation potential.
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12.4 Mobility in Soil

Mobility:	Readily absorbed into soil.
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12.5 Results of PBT and vPvB Assessment

Results of PBT and vPvB Assessment:	This product does not contain any substances classified as PBT or vPvB.
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12.6 Other Adverse Effects

Other Adverse Effects:	Negligible ecotoxicity.
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SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

General Information:	Transfer to a suitable container and arrange for collection by specialised disposal company. Note: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.
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SECTION 14: Transport Information

14.1 UN Number

UN Number:	UN1993
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14.2 UN Proper Shipping Name

UN Shipping Name:	FLAMMABLE LIQUID, N.O.S.
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14.3 Transport Hazard Class(es)

Transport Hazard Class(es):	3
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14.4 Packaging Group

Packing Group:	III
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14.5 Environmental Hazards

Environmental Hazards:	Environmentally hazardous substance? - Yes. Environmentally hazardous marine pollutant? - No.
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14.6 Special Precautions for User

Special Provision:	No special precautions.
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Tunnel Restriction Code:	2 (D/E)
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14.7 Transport in Bulk According to Annex II of MARPOL and the IBC Code

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:	-
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SECTION 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

Specific Regulations:	Not applicable.
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15.2 Safety, Health and Environmental Regulations/Legislation

Chemical Safety Assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
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SECTION 16: Other Information

16.1 Other Information

Other Information:	According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Hazard Statements in Full:	H226: Flammable liquid and vapour. H312: Harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H336: May cause drowsiness or dizziness. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects.
Legal Disclaimer	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

ALLTIMES
COATINGS
EXPERIENCE THE DIFFERENCE IN EVERY COAT

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No responsibility can be taken by the manufacturers where conditions of use are beyond our control. All products should be used in accordance with the manufacturer's instructions. For further information please refer to the application guide and Material Safety Data Sheet. This information and guidance is given in good faith and without prejudice and liability, Technical and Safety Data must be observed. All coverages are given as a guide only, as volumes will vary with profile, porosity and method of application. Loss factors should also be taken into account.