

1. IDENTIFICATION OF THE SUBSTRATE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name/designation: QC SP Primer.

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

Relevant identified uses: Base coat

Recommended restrictions: Reserved for industrial and professional use.

1.3 Supplier details

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton, St Helens, Merseyside, United Kingdom, WA9 4JG
Tel: +44 (0)1744 648400
e-mail: technical@alumascroofing.com

1.4 Emergency telephone number

Association / Organisation: National Poisons Information Service
Emergency telephone numbers: 0344 892 0111 (Healthcare professionals only)
Other emergency telephone numbers Alumasc Building Products: +44 17 4464 8400
(Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP][1]:

Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304.

2.2 Label elements

Hazard pictures:



Signal word:

Danger.

Hazardous component(s) to be indicated on label:

Xylene, Ethylbenzene.

Hazard statements:

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312+H332: Harmful in contact with skin or if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure

Precautionary statements prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary statements response: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P312: Call a POISON CENTER/doctor if you feel unwell.
P314: Get medical advice/attention if you feel unwell.
P331: Do NOT induce vomiting.
P337+P313: If eye irritation persists: Get medical advice/attention.

Further information: EUH205: Contains epoxy constituents. May produce an allergic reaction.

Special labelling for certain preparations: Contains epoxy constituents. See information supplied by the manufacturer.

2.3 Other hazards

Not available.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

See 'Composition on ingredients' in Section 3.2.

3.2 Mixtures

Other data:

This mixture contains $\geq 1\%$ titanium dioxide (CAS 13463-67-7) The Annex VI classification of Titanium dioxide does not apply to this mixture according to its Note 10.

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
Xylene	CAS No: 1330-20-7 EC-No: 215-535-7 Index-No: 601-022-00-9 REACH No: 01-2119488216-32-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	75.0 - 80.0 % by weight
Ethylbenzene	CAS No: 100-41-4 EC-No: 202-849-4 Index-No: 601-023-00-4 REACH No: 01-2119489370-35-XXXX	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	15.0 - 20.0 % by weight
Toluene	CAS No: 108-88-3 EC-No: 203-625-9 Index-No: 601-021-00-3 REACH No: 01-2119471310-51-XXXX	Flam. Liq. 2; H225 Repr. 2; H361d Asp. Tox. 1; H304 STOT RE 2; H373 Skin Irrit. 2; H315 STOT SE 3; H336	0.1 - 1.0 % by weight

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Move out of dangerous area. Take off all contaminated clothing immediately.
Do not leave the victim unattended.
Show this safety data sheet to the doctor in attendance.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If skin irritation occurs, get medical advice/ attention.

Inhalation: Move to fresh air. If symptoms persist, call a physician.
Show this safety data sheet to the doctor in attendance.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11.

4.3 Indication of any immediate medical attention and special treatment needed.

Our company policy is one of continuous research and development; we therefore reserve the right to amend content herein without prior notice.

Immediate medical attention. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂), Foam, Water spray, Dry powder.

Extinguishing media which must not be used for safety reasons:

High volume water jet.

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:

Violent polymerization may be caused by: Extremes of temperature and direct sunlight.

Fire will produce dense black smoke containing hazardous combustion products (see Section 10).

Exposure to decomposition products may be a hazard to health.

5.3 Advice for fire-fighters

Special protective equipment for firefighting:

In the event of fire, wear self-contained breathing apparatus.

Additional information on firefighting:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Vapours are heavier than air and may spread along floors.

Use personal protective equipment.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Clean contaminated surface thoroughly.

Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Disposal considerations See also Section 13.

6.5 Additional information

Treat recovered material as described in the section "Disposal considerations".

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling:

Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment. Keep product and empty container away from heat and sources of ignition.

Handle and open container with care.

Avoid contact with skin and eyes.

Precautions:

Smoking, eating and drinking should be prohibited in the application area.
For personal protection see Section 8.
Observe label precautions.

Advice on protection against fire and explosion:

Take precautionary measures against static discharges.
Vapours may form explosive mixture with air.
Use water spray to cool unopened containers.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container:

Keep in properly labelled containers.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage incompatibility:

Store in accordance with the particular national regulations. Keep in a cool, well-ventilated place. Keep in an area equipped with solvent resistant flooring.

TRGS 510:

3.

Recommended storage temperature:

Keep in a dry, cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Xylene:

Great Britain	Parameter	Test material	Sampling time	Source
650 mmol/mol Creatinine	Methyl hippuric acid	Urine	End of shift	EH40/2005 Workplace exposure limits(2011)

Great Britain					
Long term exposure value/ ppm	Long term exposure value/ mg/m3	Short term exposure value / ppm	Short term exposure value / mg/m3	Note	Source
50	220	100	441	Sk, BMGV	EH40/2005 Workplace exposure limits (2011)

Europe						
Long-term exposure value / mg/m3	Long-term exposure value / ppm	Short-term exposure value / mg/m3	Short-term exposure value ppm	Note	Issuing date	Source
221	50	442	100	Skin	2000/39	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
77 mg/m³	Workers	Inhalation	Long term effects, systemic	Company data
289 mg/m³	Workers	Inhalation	Long term effects systemic	Company data
174 mg/m³	Workers	Dermal	Long term effects Local	Company data
174 mg/m³	Consumers	Inhalation	Long term effects Local	Company data
14,8 mg/m³	Consumers	Inhalation	Long term effects, systemic	Company data
1,6 mg/kg	Consumers	Oral	Long term effects, systemic	Company data
108 mg/kg	Consumers	Dermal	Long term effects systemic	Company data

PNEC	Exposure route	Source
0,327 mg/l	Freshwater	Company data
12,46 mg/kg	Freshwater sediment	Company data
2,31 mg/kg	Soil	Company data
6,58 mg/l	Waste water treatment	Company data

Ethylbenzene:

Great Britain					
Long term exposure value/ ppm	Long term exposure value/ mg/m3	Short term exposure value / ppm	Short term exposure value / mg/m3	Note	Source
100	441	125	552	Sk	EH40/2005 Workplace exposure limits (2011)

Europe						
Long-term exposure value / mg/m3	Long-term exposure value / ppm	Short-term exposure value / mg/m3	Short-term exposure value / ppm	Note	Issuing date	Source
442	100	884	200	Skin	2000/39	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
77 mg/m ³	Workers	Inhalation	Long term effects, systemic	Company data
180 mg/kg	Workers	Dermal exposure	Long term effects, systemic	Company data

PNEC	Exposure route	Source
0,1 mg/l	Freshwater	Company data
0,01 mg/l	Marine water	Company data
0,1 mg/l	Continuous release	Company data
9,6 mg/l	Waste water pretreatment	Company data
13,7 mg/kg	Freshwater sediment	Company data
1,37 mg/kg	Marine sediment	Company data
2,68 mg/kg	Soil	Company data

Toluene:


Great Britain					
Long term exposure value/ ppm	Long term exposure value/ mg/m3	Short term exposure value / ppm	Short term exposure value / mg/m3	Note	Source
50	191	100	384	Sk	EH40/2005 Workplace exposure limits (2011)

Europe						
Long-term exposure value / mg/m3	Long-term exposure value / ppm	Short-term exposure value / mg/m3	Short-term exposure value / ppm	Note	Issuing date	Source
192	50	384	100	Skin	2006/15	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
192 mg/m ³	Workers	Inhalation	Long term effects, systemic	Company data
384 mg/m ³	Workers	Inhalation	Acute systemic Local	Company data
384 mg/kg	Workers	Dermal	Long term effects systemic	Company data
56,5 mg/m ³	Consumers	Inhalation	Local systemic	Company data
226 mg/m ³	Consumers	Inhalation	Acute systemic Local	Company data
226 mg/cm ³	Consumers	Dermal	Long term effects, systemic	Company data
8,13 mg/kg	Consumers	Oral	Long term effects, systemic	Company data

PNEC	Exposure route	Source
0,68 mg/l	Freshwater	Company data
0,68 mg/l	Marine water	Company data
16,39 mg/l	Freshwater sediment	Company data
16,39 mg/kg	Marine sediment	Company data
13,61 mg/l	Waste water treatment	Company data
2,68 mg/kg	Soil	Company data

8.2 Exposure controls

8.2.1. Appropriate engineering Controls:	Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
8.2.2. Personal protection:	
Eye and face protection:	Tightly fitting safety goggles
Skin protection:	Wear suitable protective equipment. Long sleeved clothing
Hands/feet protection:	<p>Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.</p> <p>Unsuitable material woven fabric, Leather gloves Suitable material Nitriles Material thickness 0,38 mm Break through time <25 min</p>
Body protection:	Wear suitable protective equipment. Long sleeved clothing
Respiratory protection	Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Remarks	<p>Recommended Filter type: A2 Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).</p>
General protective and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

Physical state:	Liquid	Relative density [g/cm³]	appr.0,87 g/cm ³
Form:	Liquid	Temperature [°C]:	20 °C
Colour:	Yellowish	Solubility in water [g/l]:	Immiscible
Odour:	Solvent	Partition coefficient n-octanol/water (log P O/W):	Not determined
Odour threshold:	Not available	Autoignition temperature [°C]:	Not determined
pH (as supplied):	Not available (non-aqueous)	Viscosity, dynamic [kg/(m s)]:	Approx. 4-7 mPa.s
Melting point/freezing point (°C):	Not determined	Temperature [°C]:	20 °C
Boiling point (°C):	Approx. 138 °C	Oxidising properties:	Not relevant
Flash point (°C):	25-30°C	Explosive properties:	In use, may form flammable/explosive vapour-air mixture
Evaporation rate [kg/(s m²)]:	Not determined		
Explosion limits [Vol-%]			
Lower Explosive Limit (%):	1,7 vol. %		

Our company policy is one of continuous research and development; we therefore reserve the right to amend content herein without prior notice.

Upper Explosive Limit (%): 7,5 vol. %
Vapour pressure (kPa): 1,0 kPa
Temperature: 20°C
Vapour density (Air = 1): Not determined

9.2 Other information

Ignition temperature [°C]: >450 °C.

10. STABILITY AND REACTIVITY

10.3 Possibility of hazardous reactions

Risk of violent reaction.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents, Strong acids and strong bases, Alkali metals.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral toxicity [mg/kg]:

Hazardous ingredients:

Xylene			
Value	Test criterion	Test species	Source
4300 mg/kg	LD50	Rat	Company data

Ethylbenzene			
Value	Test criterion	Test species	Source
>3500 mg/kg	LD50	Rat	Company data

Toluene			
Value	Test criterion	Test species	Source
5000 mg/kg	LD50	Rat	Company data

Dermal toxicity [mg/kg]:

Hazardous ingredients:

Xylene			
Value	Test criterion	Test species	Source
12126 mg/kg	LD50	Rabbit	Company data

Ethylbenzene			
Value	Test criterion	Test species	Source
15400 mg/kg	LD50	Rat	Company data

Toluene			
Value	Test criterion	Test species	Source
12124 mg/kg	LD50	Rabbit	Company data

Inhalative toxicity [mg/l]:

Hazardous ingredients:

Ethylbenzene			
Value	Test criterion	Test species	Source
17,65 mg/l	LC0	Rat	Company data

LC50 Inhalation 4h for vapours [mg/l]:

Hazardous ingredients:

Xylene			
Value	Test criterion	Test species	Source
29,901 mg/l	LD50	Rat	Company data

Ethylbenzene	
Value	Source
17,65 mg/l	Company data

Toluene			
Value	Test criterion	Test species	Source
31 mg/l	LC50	Rat	Company data

Irritant effect on skin:

Hazardous ingredients:

Xylene	
Value	Source
Irritating	Company data

Ethylbenzene	
Value	Source
Mild skin Irritation	Company data

Irritant effect on eyes:

Hazardous ingredients:

Xylene	
Value	Source
Irritating causes serious eye irritation.	Company data

Ethylbenzene	
Value	Source
Weakly	Company data

Sensitization:

Hazardous ingredients:

Xylene	
Value	Source
Negative	Company data

Dermal absorption data:

Hazardous ingredients:

Xylene	
Value	Source
Dermal absorption possible	Company data

Ethylbenzene	
Value	Source
Dermal absorption possible Solvents may degrease the skin.	Company data

Specific target organ toxicity (single exposure) [mg/kg]:

Hazardous ingredients:

Xylene	
Value	Source
Causes respiratory tract irritation.	Company data

11.2 Additional information

Experience in practice:

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish [mg/l]:

Hazardous ingredients:

Value	Test criterion	Test species	Exposure duration [h]	Source
2,6 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	96 h	Company data

Ethylbenzene				
Value	Test criterion	Test species	Exposure duration [h]	Source
4,2 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	96 h	Company data

Toluene				
Value	Test criterion	Source		
5,5 mg/l	LC50	Company data		

Toxicity to daphnia [mg/l]:

Hazardous ingredients:

Xylene				
Value	Test criterion	Test species	Exposure duration [h]	Source
1,1 mg/l	EC50	Daphnia magna (water flea)	48 h	Company data

Ethylbenzene				
Value	Test criterion	Test species	Exposure duration [h]	Source
2,97 mg/l	EC50	Daphnia magna (water flea)	48 h	Company data

Toluene				
Value	Test criterion	Source		
3,78 mg/l	EC50	Company data		

Toxicity to algae [mg/l]:

Hazardous ingredients:

Xylene				
Value	Test criterion	Test species	Exposure duration [h]	Source
2,2 mg/l	ErC50	Algae (mg/l)	72 h	Company data

Ethylbenzene				
Value	Test criterion	Test species	Exposure duration [h]	Source
4,9 mg/l	EC50	Selenastrum capricornutum (green algae)	72 h	Company data

Toluene				
Value	Test criterion	Exposure duration [h]	Source	
>433 mg/l	EC50	96 h	Company data	

NOEC (fish) [mg/l]:

Hazardous ingredients:

Ethylbenzene	
Value	Source
1 mg/l	Company data

Toluene		
Value	Test species	Source
1,4 mg/l	Oncorhynchus mykiss (rainbow trout)	Company data

NOEC (daphnia) [mg/l]:

Hazardous ingredients:

Toluene		
Value	Test species	Source
(0,74)mg/l	Ceriodaphnia dubia	Company data

12.2 Persistence and degradability

Hazardous ingredients:

Toluene	
Value	Source
Biodegradable	Company data

12.3 Bioaccumulation potential

Hazardous ingredients:

Toluene	
Value	Source
Does not bioaccumulate	Company data

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Further information on ecology:

See also Section 12.1.




13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / packaging disposal:	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:
Waste Code:	07 02 04* other organic solvents, washing liquids and mother liquors
Uncleaned empty packaging:	The return of packaging materials is regulated by the Interseroh system.

14. TRANSPORT INFORMATION

Labels required:

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No:	1307	1307	1307
14.2 Description of the goods:	XYLENES	XYLENES	XYLENES
14.3 Transport hazard class(es):	3	3	3
14.4 Packaging group:	III	III	III
Labels:			
Risk No:	30		
Category:	3		
Factor:	1		

Our company policy is one of continuous research and development; we therefore reserve the right to amend content herein without prior notice.

Classification code:	F1		
Tunnel restriction code:	D/E		
Name affix:	Solution	Solution	Solution
EmS:		F-E;S-D	
Stowage category:		A	
UN proper shipping name:	UN 1307 XYLENES	UN 1307 XYLENES	UN 1307 XYLENES

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not relevant.

15. REGULATORY INFORMATION

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

Additional regulations: Additionally, observe any national regulations!
Classification in compliance with the Industrial Safety Regulation: Flammable.
GISCODE: M-VM04.

16. OTHER INFORMATION

Full text Risk and Hazard codes:

H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.
H361d: Suspected of damaging the unborn child.
EUH205: Contains epoxy constituents. May produce an allergic reaction.

Wording of the hazard classes

Flam. Liq.: Flammable liquid.
Acute Tox.: Acute toxicity
Skin Irrit.: Skin irritation.
Eye Irrit.: Serious eye irritation.
STOT SE: Specific target organ toxicity - single exposure.
STOT RE: Specific target organ toxicity - repeated exposure.
Asp. Tox.: Aspiration hazard.
Aquatic Chronic: Hazardous to the aquatic environment.
Repr.: Reproductive toxicity.

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:

Classification	Evaluation
Flam. Liq. 3; H226	Calculated
Acute Tox. 4; H312	Calculated
Acute Tox. 4; H332	Calculated
Skin Irrit. 2; H315	Calculated
Eye Irrit. 2; H319	Calculated
STOT SE 3; H335	Calculated
STOT RE 2; H373	Calculated
Asp. Tox. 1; H304	Calculated

SDS version summary:

Version	Date of Update	Section Updated
1.1	03/04/2023	Template Change

Other information:

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios.

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

