

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Metal Primer

Ref: M704FR

Revision Date : 02.02.2015

Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

Replaces version from : 09.09.2014

Print date : 27.01.2016

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

### 1.1 Product identifier

Commercial Product Name                      Caltech QC Metal Primer

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

Relevant identified uses                      base coat

### 1.3 Details of the supplier of the safety data sheet

Address    Alumasc Exterior  
Building Products Ltd  
White House Works,  
Bold Road, Sutton  
St Helens, WA9 4JG  
Telephone : +44 (0) 1744 648 400

Responsible Department                      Technical Department

E-mail (competent person)                      [roofing@alumasc-exteriors.co.uk](mailto:roofing@alumasc-exteriors.co.uk)

1.4 Emergency telephone number              +44 (0) 1744 648 400

Emergency telephone number

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008              Flam. Liq. 3; H226 STOT SE 3; H336 Aquatic Chronic 2; H411

\*Classification according to Directive 67/548/EEC / 1999/45/EEC              R10 R66 R67 N; R51/53

### 2.2 Label elements

Hazard pictogram



GHS02



GHS07



GHS09

Signal word

Warning

Hazardous component(s) to be indicated on label

Hydrocarbons , C9-C10 , n-alkanes , isoalkanes , cyclics , <2% aromatics ,  
Hydrocarbons , C9-C11 , n-alkanes , isoalkanes , cyclics , <2% aromatics ,  
Hydrocarbons , C7-C9 , isoalkanes , 1-methoxy-2-propanol

H-statement(s)

H226: Flammable liquid and vapour.

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H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

## P-statement(s)

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P273: Avoid release to the environment.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P391: Collect spillage.

## \*Further information

Contains 2,5 % of components with unknown hazards to the aquatic environment.

EUH066: Repeated exposure may cause skin dryness or cracking.

EUH208: Contains PHTHALIC ANHYDRIDE;2-butanone oxime. May produce an allergic reaction.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixture

#### Chemical characterization

base coat

#### Hazardous ingredients

Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
trizinc bis(orthophosphate)	CAS No. : 7779-90-0 EC-No. : 231-944-3 Index-No. : 030-011-00-6 REACH No. : 02-2119485044-40	N; R50-53 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	20.0 - 25.0 % by weight
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC-No. : 927-241-2 REACH No. : 01-2119471843-32-XXXX	R10 R66 R67 R52/53 Flam. Liq. 3; H226 STOT SE 3; H336 Aquatic Chronic 3; H412	15.0 - 20.0 % by weight
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC-No. : 919-857-5 REACH No. : 01-2119463258-33-XXXX	R10 Xn; R65 R66 R67 Flam. Liq. 3; H226 STOT SE 3; H336 Asp. Tox. 1; H304	10.0 - 15.0 % by weight
Hydrocarbons, C7-C9, isoalkanes	EC-No. : 292-458-5 REACH No. : 01-2119471305-42-XXXX	F; R11 Xn; R65 Xi; R38 R67 N; R51/53 Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	1.0 - 5.0 % by weight
zinc oxide	CAS No. : 1314-13-2 EC-No. : 215-222-5 Index-No. : 030-013-00-7 REACH No. : 01-2119463881-32-XXXX	N; R50-53 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	1.0 - 5.0 % by weight
1-methoxy-2-propanol	CAS No. : 107-98-2 EC-No. : 203-539-1 Index-No. : 603-064-00-3 REACH No. : 01-2119457435-35-XXXX	R10 R67 Flam. Liq. 3; H226 STOT SE 3; H336	1.0 - 5.0 % by weight
phthalic anhydride	CAS No. : 85-44-9 EC-No. : 201-607-5 Index-No. : 607-009-00-4	Xn; R22 Xi; R37/38-41 R42/43 Acute Tox. 4 ; H302 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1; H317	0.1 - 1.0 % by weight
2-butanone oxime	CAS No. : 96-29-7 EC-No. : 202-496-6 Index-No. : 616-014-00-0	Carc. Cat. 3; R40 Xn; R21 Xi; R41 R43 Carc. 2; H351 Acute Tox. 4 ; H312 Eye Dam. 1; H318 Skin Sens. 1; H317	0.1 - 1.0 % by weight

# Safety Data Sheet as per regulation (EC) 1907/2006

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Version : 3 /en

**ALUMASC**

ROOFING SYSTEMS

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## SECTION 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.*

*If inhaled*

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

*In case of 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.*

*In case of eye contact*

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

*If swallowed*

*Rinse mouth. Do NOT induce vomiting. Call a physician immediately.*

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

*Immediate medical attention*

*Treat symptomatically.*

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

*Suitable extinguishing media*

*Carbon dioxide (CO<sub>2</sub>), 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*

*Vapours may form explosive mixtures with air. Provide sufficient air exchange and/or exhaust in work rooms. Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.*

### 5.3 Advice for firefighters

*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 fire fighting to enter drains or water courses.*

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

*Personal precautions*

*Ensure adequate ventilation. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind. Use personal protective equipment.*

### 6.2 Environmental precautions

*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

*Methods for cleaning up*

*Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly.*

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# ALUMASC

ROOFING SYSTEMS

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

## 6.4 Reference to other sections

*Reference to other sections*

*Disposal considerations See also section 13*

## 6.5 Additional information

*Other information*

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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

*Advice on safe handling*

*Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment.  
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

*Storage space and container requirements*

*Storage must be in accordance with the BetrSichV (Germany). Keep in a cool, well-ventilated place. Keep in an area equipped with solvent resistant flooring.*

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

TRGS 510

3

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Zinkphosphat

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
5 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects systemic	10
83 mg/kg	Workers	dermal	Long term effects systemic	10
2,5 mg/m <sup>3</sup>	Consumers	Inhalation	Local effects systemic	10
83 mg/kg	Consumers	dermal	Long term effects systemic	10
0,83 mg/kg bw/d	Consumers	Oral	Long term effects systemic	10

Source : 10 - Annex1- 29. ATP

PNEC

Value	Exposure route	Source
48,1 µg/l	fresh water	10
14,2 µg/l	Marin	10
550,2 mg/kg	freshwater sediment	10
263,9 mg/kg	marine sediment	10
249,4 mg/kg	Soil	10
121,4 µg/l	Waste water treatment	10

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Ref: M704FR

Revision Date : 02.02.2015

Version : 3 /en

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ROOFING SYSTEMS

Replaces version from : 09.09.2014

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Source : 10 - Annex1- 29. ATP

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
871 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects	100
208 mg/kg	Workers	dermal exposure	Long term effects	100
185 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects	100
125 mg/kg	Consumers	Oral dermal exposure	Long term effects	100

Source : 100 - Firmendaten

Hydrocarbons, C7-C9, isoalkanes

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
2053 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects	100
773 mg/kg	Workers	dermal exposure	Long term effects	100
608 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects	100
699 mg/kg	Consumers	Oral dermal exposure	Long term effects	100

Source : 100 - Firmendaten

ZINC OXIDE

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
5 mg/cm <sup>2</sup>	Workers	Inhalation	Long term effects systemic	100
83,3 mg/kg	Workers	dermal	Long term effects systemic	100
2,5 mg/cm <sup>2</sup>	Consumers	Inhalation	Long term effects systemic	100
0,83 mg/kg	Consumers	Oral	Long term effects systemic	100
83 mg/kg	Consumers	dermal	Long term effects systemic	100

Source : 100 - Firmendaten

PNEC

Value	Exposure route	Source
44,3 mg/kg	Soil	100
64,7 µg/l	Waste water treatment	100
70,3 mg/kg	marine sediment	100
7,6 µg/l	Marin	100
146 mg/kg	freshwater sediment	100
25,6 µg/l	fresh water	100

Source : 100 - Firmendaten

1-METHOXY-2-PROPANOL

Great Britain

Long-term exposure value/ ppm	Long-term exposure value/ mg/ m3	Short-term exposure value / ppm	Short-term exposure value / mg/ m3	Remarks	Source
100	375	150	560	Can be absorbed through the skin.	19

# Safety Data Sheet as per regulation (EC) 1907/2006

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Revision Date : 02.02.2015

Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

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Source : 19 – EH40/2005 Workplace exposure limits (2011)

## Europe

Long-term exposure value/ mg/m <sup>3</sup>	Long-term exposure value/ ppm	Short-term exposure value / mg/m <sup>3</sup>	Short-term exposure value / ppm	Note	Issuing date	Source
375	100	568	150	Skin	2000/39	24

Source : 24 – DIRECTIVE 2009/161/EU

## DNEL

Value	Target group	Exposure route	Exposure frequency	Source
369 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects systemic	100
553,5	Workers	Inhalation	Acute Local effects	100
50,6 mg/kg	Workers	dermal exposure	Long term effects systemic	100
43,9 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects systemic	100
18,1 mg/kg	Consumers	dermal exposure	Long term effects systemic	100
3,3 mg/kg	Consumers	Oral	Long term effects systemic	100

Source : 100 – Firmendaten

## PHTHALIC ANHYDRIDE

### Great Britain

Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / mg/m <sup>3</sup>	Remarks	Source
4	12	Capable of causing occupational asthma.	19

Source : 19 – EH40/2005 Workplace exposure limits (2011)

## 8.2 Exposure controls

### 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 :

Recommended Filter type: A2

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

### Hand protection

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.

Suitable material :

Nitriles

Unsuitable material :

woven fabric, Leather gloves

Material thickness :

0,38 mm

Break through time :

<25 min

### Eye protection

Tightly fitting safety goggles

# Safety Data Sheet as per regulation (EC) 1907/2006

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Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

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## Skin and body protection

Wear suitable protective equipment. Long sleeved clothing

## General protective and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. 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.

## Engineering measures

Ensure adequate ventilation, especially in confined areas. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	Liquid
Odour	weakly solvent
Boiling point [°C]	>160 °C
Flash point [°C]	40 °C
Explosion limits [Vol-% ]	
Lower limit :	0,6
Upper limit :	8,0
Vapour pressure [kPa]	0,7
Density [g/cm <sup>3</sup> ]	1,21 - 1,24 g/cm <sup>3</sup>
Viscosity, dynamic [kg/(m*s)]	700 - 850 mPa.s

## SECTION 10: Stability and reactivity

### 10.3 Possibility of hazardous reactions

Hazardous reactions Risk of violent reaction.

### 10.4 Conditions to avoid

Conditions to avoid Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid Strong oxidizing agents, Strong acids and strong bases, Alkali metals

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Hazardous ingredients

Zinkphosphat

Oral toxicity [mg/kg]	Test criterion	Test species	Source
>5000 mg/kg	LD50	rat	10

Source : 10 - Annex1- 29. ATP

LC50 Inhalation 4h for dusts and sprays [mg/l]	Test criterion	Test species	Exposure duration	Source
5,7 mg/l	LC50	rat	4 h	100

Source : 100 - Firmendaten

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Metal Primer

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Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

Replaces version from : 09.09.2014

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Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral toxicity [mg/kg]	Test criterion	Test species	Source
>5001	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
>5001	LD50	rabbit	100

Source : 100 - Firmendaten

**Irritant effect on skin** No skin irritation Repeated exposure may cause skin dryness or cracking.

**Irritant effect on eyes** May irritate eyes.

**Sensitization** No known effect.

Hydrocarbons, C7-C9, isoalkanes

Oral toxicity [mg/kg]	Test criterion	Test species	Source
>5000	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
>2000	LD50	rabbit	100

Source : 100 - Firmendaten

ZINC OXIDE

Oral toxicity [mg/kg]	Test criterion	Test species	Source
15000 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

LC50 Inhalation 4h for dusts and sprays [mg/l]	Test criterion	Test species	Source
5,7	LC50	rat	100

Source : 100 - Firmendaten

**Irritant effect on eyes** slightly irritating

Test species rabbit

Exposure duration 24 h 500 mg

BUTANONE OXIME

LC50 Inhalation 4h for vapours [mg/l]	Test criterion	Test species	Source
4416	LC50	rat	100

Source : 100 - Firmendaten

**Irritant effect on eyes** Causes eye irritation.

Aspiration hazard

Aspirations_less_hydrocarbons
less_hydrocarbons



# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Metal Primer

Ref : M704FR

Revision Date : 02.02.2015

Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

Replaces version from : 09.09.2014

Print date : 27.01.2016

## 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

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Hazardous ingredients

##### Zinkphosphat

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
5,7 mg/l	EC 50	Daphnia	48h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Source
1,87 mg/l	IC50	Selenastrum capricornutum (green algae)	100

Source : 100 - Firmendaten

##### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Toxicity to fish [mg/l]	Test criterion	Test species	Source
>10	EC 50	Oncorhynchus mykiss (rainbow trout)	2

Source : 2 - SimChem

Toxicity to daphnia [mg/l]	Test criterion	Test species	Source
>20	EC 50	Daphnia magna (Water flea)	2

Source : 2 - SimChem

Biodegradability

Biodegradable.

Bioaccumulation

no data available

##### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Toxicity to fish [mg/l]	Test criterion	Exposure duration	Source
>1000	LC50	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
>1000	EC 50	Daphnia magna (Water flea)	48 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
>1000	EC 50	Pseudokirchneriella subcapitata	72 h	100

Source : 100 - Firmendaten

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Metal Primer

Ref : M704FR

Revision Date : 02.02.2015

Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

Replaces version from : 09.09.2014

Print date : 27.01.2016

NOEC (fish) [mg/l]	Source
100 mg/l	100

Source : 100 - Firmendaten

Biodegradability Readily biodegradable.

Ready degradability

Bioaccumulation log Pow 5-6,5

Hydrocarbons, C7-C9, isoalkanes

Toxicity to fish [mg/l]	Test criterion	Exposure duration	Source
18,4	LC50	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
2,4	EC 50	Daphnia magna (Water flea)	48 h	100

Source : 100 - Firmendaten

NOEC (daphnia) [mg/l]	Test species	Exposure duration	Source
0,17	Daphnia magna (Water flea)	21 day(s)	100

Source : 100 - Firmendaten

NOEC (algae) [mg/l]	Test species	Exposure duration	Source
6,3	Pseudokirchneriella subcapitata	72 hours	100

Source : 100 - Firmendaten

Biodegradability Readily biodegradable.

Ready degradability

Bioaccumulation log Pow > 3

ZINC OXIDE

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
0,413 mg/l	EC 50	Daphnia	48 h		100
0,136 mg/l	EC 50	Pseudokirchneriella subcapitata	72 h	OECD Test Guideline 201	100

Source : 100 - Firmendaten

PHTHALIC ANHYDRIDE

Toxicity to algae [mg/l]	Test criterion	Exposure duration	Source
785,3	EC 50	96 h	100

Source : 100 - Firmendaten

BUTANONE OXIME

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
843	LC50	Pimephales promelas (fathead minnow)	96 h	100

Source : 100 - Firmendaten

# Safety Data Sheet as per regulation (EC) 1907/2006

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Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

Replaces version from : 09.09.2014

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Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
750	EC 50	Daphnia magna (Water flea)	48 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Source
83 mg/l	IC50	100

Source : 100 - Firmendaten

Ready degradability

Bioaccumulation  $\log Pow$  0,59

## 12.5 Results of PBT and vPvB assessment

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

## 12.6 Other adverse effects

Further information on ecology We have no quantitative data concerning the ecological effects of this product.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal considerations According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code 080111 - waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned empty packaging -

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	1263	1263	1263
14.2 Description of the goods	PAINT	PAINT	PAINT
14.2 UN proper shipping name		PAINT	Paint
14.3 Transport hazard class(es)	3	3	3
14.4 Packaging group	III	III	III
Danger releasing substance	trizinc bis(orthophosphate)	trizinc bis(orthophosphate)	trizinc bis(orthophosphate)
14.5 Environmental hazards	U - Environmentally hazardous	U - marine pollutant	U - Environmentally hazardous
Labels			
Risk No.	30		
Category	3		
Classification Code	F1		
SP 640	640E		
Tunnel restriction code	D/E		

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Ref : M704FR

Revision Date : 02.02.2015

Version : 3 /en

# ALUMASC

ROOFING SYSTEMS

Replaces version from : 09.09.2014

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	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
Remarks	(einschließlich Farbe, Lack, Emaille, Beize, Schellack, Firnis, Politur, flüssiger Füllstoff und flüssige Lackgrundlage)	(including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
EmS		F-E;_S-E	
Stowage category		A	

## 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not relevant

## SECTION 15: Regulatory information

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

Additional regulations Additionally, observe any national regulations!

## SECTION 16: Other information

### Relevant R-phrases

R10: Flammable.  
R11: Highly flammable.  
R21: Harmful in contact with skin.  
R22: Harmful if swallowed.  
R37/38: Irritating to respiratory system and skin.  
R38: Irritating to skin.  
R40: Limited evidence of a carcinogenic effect.  
R41: Risk of serious damage to eyes.  
R42/43: May cause sensitisation by inhalation and skin contact.  
R43: May cause sensitisation by skin contact.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

### Relevant H-phrases

H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H302: Harmful if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer.  
H400: Very toxic to aquatic life.

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Metal Primer

Ref : M704FR

Revision Date : 02.02.2015

Version : 3 /en

**ALUMASC**

ROOFING SYSTEMS

Replaces version from : 09.09.2014

Print date : 27.01.2016

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

## Wording of the hazard classes

Flam. Liq.: Flammable liquid

STOT SE: Specific target organ toxicity – single exposure

Aquatic Chronic: Hazardous to the aquatic environment

Aquatic Acute: Hazardous to the aquatic environment

Asp. Tox.: Aspiration hazard

Skin Irrit.: Skin irritation

Acute Tox.: Acute toxicity

Eye Dam.: Serious eye damage

Resp. Sens.: Respiratory sensitization

Skin Sens.: Skin sensitization

Carc.: Carcinogenicity

## Modifications since last version

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

Modifications of the previous version are denoted with an asterisk (\*).

Classification	evaluation
Flam. Liq. 3; H226	
STOT SE 3; H336	
Aquatic Chronic 2; H411	

Department issuing safety data sheet

Environmental Department

## Further information

Full text of R-phrases referred to under sections 2 and 3

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.