

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

1.1 Product identifier

Trade name/designation: 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 Manufacturer/Supplier

Supplier:
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 Manufacturer/Supplier

Emergency telephone: 01744 648 400 - (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:

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 Labelling according to Regulation (EU) 1272/2008



GHS02



GHS07



GHS09

Hazard pictures:

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.

Hazard statements:

H226: Flammable liquid and vapour.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with longlasting effects.

Precautionary statements:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P273: Avoid release into 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.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

For the priming of prepared/weathered metals.

3.2 Mixture

Chemical characterization:

Base coat.

Hazardous ingredients:

Ingredient		Classification (EC) 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	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	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.

If inhaled:

Move to fresh air. If symptoms persist, call a doctor.
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 doctor immediately.

4.2 -

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

High volume water jet.

5.2 Special hazards arising from the substance or mixture

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 fire-fighters

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

Prevent further leakage or spillage if safe to do so.
Do not flush into surface water or sanitary sewer system.
Avoid sub-soil penetration.

6.3 Methods and materials 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 also see 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

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.

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

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 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Zinkphosphat:

DNEL:

Value	Target group	Exposure route	Exposure frequency	Source
5 mg/m ³	Workers	Inhalation	Long-term effects systemic	10
83 mg/kg	Workers	dermal	Long-term effects systemic	10
2,5 mg/m ³	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 – Annex 1-29. ATP.

PNEC:

Value	Exposure route	Source
48,1 µg/l	Fresh water	10
14,2 µg/l	Marine	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	Wastewater treatment	10

Hydrocarbons, C9-C11, N-Alkanes, Isoalkanes, Cyclics, <2% Aromatics:

DNEL:

Value	Target group	Exposure route	Exposure frequency	Source
871 mg/m ³	Workers	Inhalation	Long-term effects	100
208 mg/kg	Workers	Dermal exposure	Long-term effects	100
185 mg/m ³	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 ³	Workers	Inhalation	Long-term effects	100
773 mg/kg	Workers	Dermal exposure	Long-term effects	100
608 mg/m ³	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 ²	Workers	Inhalation	Long-term effects systemic	100
83,3 mg/kg	Workers	Dermal	Long-term effects systemic	100
2,5 mg/cm ²	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	Wastewater treatment	100
70,3 mg/kg	Marine sediment	100
7,6 µg/l	Marine	100
146 mg/kg	Freshwater sediment	100
25,6 µg/l	Freshwater	100

Source: 100 – Firmendaten.

1-Methoxy-2-Propanol:

Great Britain:

Long-term exposure value/ ppm	Long-term exposure value/ mg/m ³	Short-term exposure value / ppm	Short-term exposure value / mg/m ³	Remarks	Source
100	375	150	560	Can be absorbed through the skin	19

Europe:

Long-term exposure value / mg/m ³	Long-term exposure value / ppm	Short-term exposure value / mg/m ³	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 ³	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 ³	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/m3	Short-term exposure value / mg/m3	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.
Breakthrough time: <25 mins.

Eye protection: Tightly fitting safety goggles.

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 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.

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.

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/cm³]: 1,21 - 1,24 g/cm³.
Viscosity, dynamic [kg/(m*s)]: 700 – 850 mPa.s.

10. STABILITY AND REACTIVITY

10.1 -

10.2 -

10.3 Possibility of hazardous reactions

Risk of violent reaction.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Materials to avoid

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

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.

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

11.2 Additional information

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 Ecological information

Toxicity:

Hazardous ingredients:

Zinkphosphat:

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
5,7 mg/l	EC50	Daphnia	48h	100

Source: 100 – Firmendaten.

Toxicity to algae [mg/l]	Test criterion	Test species	Source
1,87 mg/l	LC50	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	EC50	Oncorhynchus mykiss (rainbow trout)	2

Source: 2 – SimChem.

Toxicity to daphnia [mg/l]	Test criterion	Test species	Source
>20	EC50	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	EC50	Daphnia magna (water flea)	48 h	100

Source: 100 – Firmendaten.

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
>1000	EC50	Pseudokirchneriella subcapitata	72 h	100

Source: 100 – Firmendaten.

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	EC50	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	EC50	Daphnia	48 h		100
0,136 mg/l	EC50	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	EC50	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.

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	C50	100

Source: 100 – Firmendaten.

Ready degradability:

Bioaccumulation: log Pow 0,59.

12.2 -

12.3 -

12.4 -

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

No data available.

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: 08 01 11 - waste paint and varnish containing organic solvents or other dangerous substances.

Uncleaned empty packaging: -

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
14.3 UN proper shipping name		PAINT	PAINT
14.4 Transport hazard class(es)	3	3	3
14.5 Packaging group	III	III	III
Danger releasing substances	Trizinc Bis(Orthophosphate)	Trizinc Bis(Orthophosphate)	Trizinc Bis(Orthophosphate)
14.6 Environmental hazards	U - Environmentally hazardous	U - Marine pollutant	U - Environmentally hazardous
Labels	3 	3 	3 
Risk No.	30		
Category	3		
Classification code	F1		
SP 640	640E		
Tunnel restriction code	D/E		
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

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!

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:

H314:	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.
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.

CALTECH QC METAL PRIMER
SAFETY DATA SHEET

Reference No: SDS-CAL008
Date of issue: 01/07/2021



Resp. Sens: Respiratory sensitization.
Skin Sens: Skin sensitization.
Carc: Carcinogenicity.

Further information:

Full text of R-phrases referred to under Sections 2 & 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.

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

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