

TARMAC BUXTON LIME & POWDERS

Tarmac Buxton Cement and Lime

PRODUCT SAFETY DATA SHEET

CALCIUM DIHYDROXIDE

Prepared in accordance with Regulation EC 1907/2006 (REACH), Regulation (EC) 1272/2008 (CLP) as amended

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Identification of the substance or preparation

Substance Name:	Calcium dihydroxide
Synonyms:	Calcium hydroxide, Hydrated Lime, Slaked lime, Calcium hydrate
Chemical Name and Formula:	Calcium dihydroxide – Ca(OH) ₂
Trade Name:	Limbox, Trulime, Hydralime
CAS N°:	1305-62-0
EINECS N°:	215-137-3
Molecular Weight:	74.09 g/mol
EU Reach Registration No:	01-2119475151-45-0135
UK Reach Registration No:	UK-01-4950521785-8-0009

1.2 Use of the substance

The substance is intended for the following non-exhaustive list of uses:

Building material industry, Chemical industry, Agriculture, Biocidal use, Environmental protection (e.g. flue gas treatment, wastewater treatment, sludge treatment), Drinking water treatment, Feed, Food and pharmaceutical industry, Civil engineering, Paper and paint industry

1.2.1 Identified uses

All uses listed in Table 1 of the Appendix of this SDS are identified uses

1.2.2 Uses advised against

No use identified in Table 1 of the Appendix of this SDS is advised against

1.3 Company Identification

Name:	Tarmac Cement & Lime
Address:	Buxton Lime & Powders Tunstead House Buxton Derbyshire SK17 8TG
Phone:	+44 (0)1298 768555
E-mail of competent person responsible for SDS :	buxton.enquiry@tarmac.com

1.4 Emergency telephone

UK/European Emergency N°: 999/112
BL&C Transport Emergency Contact N°: +44 (0)1298 27500 (including out of hours)
Refer to Hospital Accident and Emergency Department

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance

2.1.1 Classification according to Regulation (EC) 1272/2008

STOT Single Exp. 3, H335 Route of exposure: Inhalation
Skin Irritation 2, H315
Eye Damage 1, H318

2.1.2 Additional information

For full text of H-statements and P-phrases, see SECTION 16

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) 1272/2008

Signal word: Danger

Hazard pictogram:



Hazard statements:

H315: Causes skin irritation

H318: Causes serious eye damage

H335: May cause respiratory irritation

Precautionary statements:

P102: Keep out of reach of children

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P302+P352: IF ON SKIN: Wash with plenty of water

P310: Immediately call a POISON CENTRE or doctor/physician

P261: Avoid breathing dust/spray

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P501: Dispose of contents/container in accordance with local/regional/national/international regulation

2.3 Other hazards

No other hazards identified.

The substance does not meet the criteria for PBT or vPvB substance according to Regulation (EC) No 1907/2006, Annex XIII.

The substance is not included in the Candidate List of substances of very high concern for Authorisation.

The substance is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Composition

CAS number	EC number	Registration No	Identification name	Weight % content (or range)	Classification according to Regulation (EC) No 1272/2008 [CLP]
1305-62-0	215-137-3	EU 01-2119475151-45-0135 UK-01-4950521785-8-0009	Calcium dihydroxide	100% (dry)	<i>Eye Dam 1 H318</i> <i>Skin Irrit. 2 H315</i> <i>STOT SE 3 (inhalation) H335</i>

Impurities: No impurities relevant for classification and labelling.

Small quantities of calcium carbonate, calcium oxide and impurities. Impurities in lime products will vary from source to source.

SECTION 4: FIRST-AID MEASURES

4.1 Description of First Aid measures

General Advice

No known delayed effects. Consult a physician for all exposures except for minor instances.

Following Eye Contact

Rinse eyes immediately with plenty of water and seek medical advice.

Following Inhalation

Move source of dust or move person to fresh air. Obtain medical attention immediately.

Following Ingestion

Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Obtain medical attention.

Following Skin Contact

Carefully and gently brush the contaminated body surfaces in order to remove all traces of product. Wash affected area immediately with plenty of water. Remove contaminated clothing. If necessary, seek medical advice.

Self-protection of the first aider

Avoid contact with skin, eyes and clothing – wear suitable protective equipment (see section 8.2.2)

Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable protective equipment (see section 8.2.2).

4.2 Most important symptoms and effects, both acute and delayed

Calcium dihydroxide is not acutely toxic via the oral, dermal, or inhalation route. The substance is classified as irritating to skin and the respiratory tract and entails a risk of serious damage to the eye. There is no concern for adverse systemic effects because local effects (pH effect) are the major health hazard.

4.3 Indication of any immediate medical attention and special treatment needed

Follow the advice given in section 4.1



SECTION 5: FIRE-FIGHTING MEASURES

5.1.1 Suitable extinguishing media

The product is not combustible. Use a dry powder, foam or CO₂ fire extinguisher to extinguish the surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Unsuitable extinguishing media

None.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for fire fighters

Avoid generation of dust. Use breathing apparatus. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation.

Keep dust levels to a minimum.

Keep unprotected persons away.

Avoid contact with skin, eyes, and clothing – wear suitable protective equipment (see section 8).

Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable protective equipment (see section 8).

6.1.2 For emergency responders

Ensure adequate ventilation

Keep dust levels to a minimum

Keep unprotected persons away

Avoid contact with skin, eyes and clothing – wear suitable protective equipment (see section 8)

Avoid inhalation of dust – ensure that sufficient ventilation or suitable respiratory protective equipment is used, wear suitable equipment (see section 8)

6.2 Environmental precautions

Contain the spillage. Keep the material dry if possible. Cover area if possible to avoid unnecessary dust hazard. Avoid uncontrolled spills to watercourses and drains (pH increase). Any large spillage into watercourses must be alerted to the Environment Agency or other regulatory body.

6.3 Methods and material for containment and cleaning up

In all cases avoid dust formation.

Keep the material dry if possible.

Pick up the product mechanically in a dry way.

Use vacuum suction unit, or shovel into bags.

6.4 Reference to other sections

For more information on exposure controls/personal protection or disposal considerations, please check section 8 and 13 and the Appendix of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1 Protective Measures

Avoid contact with skin and eyes. Wear protective equipment (refer to section 8 of this safety data sheet). Do not wear contact lenses when handling this product. It is also advisable to have individual pocket eyewash. Keep dust levels to a minimum. Minimise dust generation. Enclose dust sources, use exhaust ventilation (dust collector at handling points). Handling systems should preferably be enclosed. When handling bags usual precautions should be paid to the risks outlined in the Council Directive 90/269/EEC.

7.1.2 Advice on general occupational hygiene

Avoid inhalation or ingestion and contact with skin and eyes. General occupational hygiene measures are required to ensure safe handling of the substance. These measures involve good personal and housekeeping practices (i.e. regular cleaning with suitable cleaning devices), no drinking, eating and smoking at the workplace. Shower and change clothes at end of work shift. Do not wear contaminated clothing at home.

7.2 Conditions for safe storage, including any incompatibilities

The substance should be stored under dry conditions. Any contact with air and moisture should be avoided. Bulk storage should be in purpose-designed silos. Keep away from acids, significant quantities of paper, straw, and nitro compounds. Keep out of reach of children. Do not use aluminium for transport or storage if there is a risk of contact with water.

7.3 Specific end use(s)

Please check the identified uses in table 1 of the Appendix of this SDS.

For more information please see the relevant exposure scenario, available via your supplier/given in the Appendix, and check '2.1: Control of worker exposure'.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

DNELs:

Workers				
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required			
Inhalation	4 mg / m ³ (Respirable dust)	No hazard identified	1 mg / m ³ (Respirable dust)	No hazard identified
Dermal	Hazard identified but no DNEL available	No hazard identified	Hazard identified but no DNEL available	No hazard identified

Consumers				
Route of exposure	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	No exposure expected	No hazard identified	No exposure expected	No hazard identified
Inhalation	4 mg / m ³ (Respirable dust)	No hazard identified	1 mg / m ³ (Respirable dust)	No hazard identified
Dermal	Hazard identified but no DNEL available	No hazard identified	Hazard identified but no DNEL available	No hazard identified

PNECs:

Environment protection target	PNEC	Remarks
Fresh water	0.49 mg / L	
Freshwater sediments	No PNEC available	Insufficient data available
Marine water	0.32 mg / L	
Marine sediments	No PNEC available	Insufficient data available
Food (bioaccumulation)	No hazard identified	No potential for bioaccumulation
Microorganisms in sewage treatment	3 mg / L	
Soil (agricultural)	1080 mg / kg soil dw	
Air	No hazard identified	

OELs:

8 hours limit value	1 mg/m ³ respirable fraction
Short-term limit value	4 mg/m ³ respirable fraction

According to Directive (EU) 2017/164 of 31 January 2017

United Kingdom:

Occupational Exposure Limits (OEL) (8hr TWA): 5 mg/m³

8.2 Exposure controls

Generation of dust should be avoided. Further, appropriate protective equipment is recommended. Eye protection equipment (e.g. goggles or visors) must be worn, unless potential contact with the eye can be excluded by the nature and type of application (i.e. closed process). Additionally, face protection, protective clothing and safety shoes are required to be worn as appropriate.

Please check the relevant exposure scenario, given in the Appendix available via your supplier

8.2.1 Appropriate engineering controls

If user operations generate dust, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne dust levels below recommended exposure limits.

8.2.2 Individual protection measures, such as Personal Protective Equipment

8.2.2.1 Eye/face protection:

Do not wear contact lenses. Tight fitting goggles with side shields (frame goggles), or wide vision full goggles in accordance with EN 166:2001, at least optical class 2, mechanical strength F. It is also advisable to have individual pocket eyewash.



8.2.2.2 Skin protection:

Since calcium dihydroxide is classified as irritating to skin, dermal exposure has to be minimised as far as technically feasible. The use of protective gloves (nitrile (NBR) in accordance with EN ISO 374-1: 2018/type A or B (test chemical K, at least 0,2 mm thick)), protective standard working clothes fully covering skin, full length trousers, long sleeved overalls, with close fittings at openings and shoes resistant to caustics and avoiding dust penetration are required to be worn.



8.2.2.3 Respiratory protection:

Local ventilation to control airborne dust levels below occupational exposure limits is recommended.

A suitable particle filter mask is recommended, depending on the expected exposure levels (low dust level: FFP1 mask; medium dust level: FFP2 mask; high dust level: FFP3 mask) - please check the relevant exposure scenario, given in the Appendix.



8.2.2.4 Thermal Hazards:

The substance does not represent a thermal hazard, thus special consideration is not required.

8.2.3 Environmental exposure control

All ventilation systems should be filtered before discharge to atmosphere.

Avoid releasing to the environment.

Contain the spillage. Any large spillage into watercourses must be alerted to the regulatory authority responsible for environmental protection or other regulatory body.

For detailed explanations of the risk management measures that adequately control exposure of the environment to the substance please check the relevant exposure scenario, available via your supplier.

For further detailed information, please check the Appendix of this SDS.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	White or off-white (beige) fine powder
Odour:	odourless
Odour threshold:	not applicable
pH:	12.4 (saturated solution at 20 °C)
Melting point:	> 450 °C (study result, EU A.1 method)
Boiling point:	Not applicable (solid with a melting point > 450°C)
Flash point:	Not applicable (solid with a melting point > 450 °C)

Evaporation rate:	Not applicable (solid with a melting point > 450°C)
Flammability:	Non-flammable (study result, EU A.10 method)
Explosive limits:	Non-explosive
Vapour pressure:	Not applicable (solid with a melting point > 450°C)
Vapour density:	Not applicable
Relative density:	2.24 (study result, EU A.3 method)
Solubility in water:	1844.9 mg/L (study results, EU A.6 method)
Partition coefficient:	Not applicable (inorganic substance)
Auto ignition temperature:	Not applicable to solids
Decomposition temperature:	Decomposes at temperature >450°C
Viscosity:	Not applicable (solid with a melting point > 450°C)
Explosive properties:	Non-explosive
Oxidising properties:	No oxidising properties
Particle characteristics:	Refer to supplier Technical Data Sheet

9.2 Other Information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

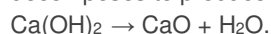
In aqueous media $\text{Ca}(\text{OH})_2$ dissociates resulting in the formation of calcium cations and hydroxyl anions (when below the limit of water solubility).

10.2 Chemical stability

Under normal conditions of use and storage, calcium dihydroxide is stable

10.3 Possibility of hazardous reactions

Calcium dihydroxide reacts exothermically with acids. When heated above 450°C, calcium dihydroxide decomposes to produce calcium oxide (CaO) and water (H₂O).



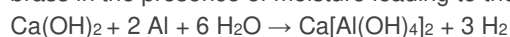
Calcium oxide reacts with water and generates heat. This may cause risk to flammable material.

10.4 Conditions to avoid

Minimise exposure to air and moisture to avoid degradation.

10.5 Incompatible materials

Calcium dihydroxide reacts exothermically with acids to form salts. Calcium dihydroxide reacts with aluminium and brass in the presence of moisture leading to the production of hydrogen.



10.6 Hazardous decomposition products

None.

Further information: Calcium dihydroxide reacts with carbon dioxide to form calcium carbonate, which is a common material in nature.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Calcium dihydroxide is not acutely toxic.

Oral: LD₅₀> 2000 mg/kg bw (OECD 425, rat)

Dermal: LD₅₀> 2500 mg/kg bw (OECD 402, rabbit)

Inhalation: no data available

Skin irritation / corrosion:

Calcium dihydroxide is irritating to skin (in vivo, rabbit).
Calcium dihydroxide is not corrosive to skin (in vitro, OECD 4321)

Serious eye damage/irritation:

Calcium dihydroxide entails a risk of serious damage to the eye (in vivo, rabbit)

Respiratory or skin sensitisation:

No data available.

Calcium dihydroxide is considered not to be a skin sensitiser, based on the nature of the effect (pH shift) and the essential requirement of calcium for human nutrition.

Germ cell mutagenicity:

Calcium dihydroxide is not genotoxic (in vitro, OECD 471, 473 and 476)

In view of the omnipresence and essentiality of Ca and of the physiological non-relevance of any pH shift induced by lime in aqueous media, lime is obviously void of any genotoxic potential.

Carcinogenicity:

Calcium (administered as Ca-lactate) is not carcinogenic (experimental result, rat). The pH effect of calcium dihydroxide does not give rise to a carcinogenic risk.

Human epidemiological data support lack of any carcinogenic potential of calcium dihydroxide.

Reproductive toxicity:

Calcium (administered as Ca-carbonate) is not toxic to reproduction (experimental result, mouse).

The pH effect does not give rise to a reproductive risk.

Human epidemiological data support lack of any potential for reproductive toxicity of calcium dihydroxide.

Both in animal studies and human clinical studies on various calcium salts no reproductive or developmental effects were detected. Also see the Scientific Committee on Food (Section 16.6). Thus, calcium dihydroxide is not toxic for reproduction and/or development.

STOT – single exposure:

From human data it is concluded that Ca(OH)₂ is irritating to the respiratory tract. As summarised and evaluated in the SCOEL recommendation (Anonymous, 2008), based on human data calcium dihydroxide is irritating to the respiratory system.

STOT – repeated exposure:

Toxicity of calcium via the oral route is addressed by upper intake levels (UL) for adults determined by the Scientific Committee on Food (SCF), being UL = 2500 mg/d, corresponding to 36 mg/kg bw/d (70 kg person) for calcium.

Toxicity of Ca(OH)₂ via the dermal route is not considered as relevant in view of the anticipated insignificant absorption through skin and due to local irritation as the primary health effect (pH shift).

Toxicity of Ca(OH)₂ via inhalation (local effect, irritation of mucous membranes) is addressed by an 8-h TWA determined by the Scientific Committee on Occupational Exposure Limits (SCOEL) of 1 mg/m³ fine fraction dust (see Section 8.1).

Aspiration hazard:

Calcium dihydroxide is not known to present an aspiration hazard.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Available data for the substance have been considered against the criteria laid down in Regulations ((EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605) and found not to apply.

11.2.2 Other information

None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

- 12.1.1** Acute/Prolonged toxicity to fish: LC₅₀ (96h) for freshwater fish: 50.6 mg/l
LC₅₀ (96h) for marine water fish: 457 mg/l
- 12.1.2** Acute/Prolonged toxicity to aquatic invertebrates: EC₅₀ (48h) for freshwater invertebrates: 49.1 mg/l
LC₅₀ (96h) for marine water invertebrates: 158 mg/l
- 12.1.3** Acute/Prolonged toxicity to aquatic plants: EC₅₀ (72h) for freshwater algae: 184.57 mg/l
NOEC (72h) for freshwater algae: 48 mg/l
- 12.1.4** Toxicity to microorganisms e.g. bacteria: At high concentration, through the rise of temperature and pH, calcium dihydroxide is used for disinfection of sewage sludges.
- 12.1.5** Chronic toxicity to aquatic organisms: NOEC (14d) for marine water invertebrates: 32 mg/l
- 12.1.6** Toxicity to soil dwelling organisms: EC 10/LC10 or NOEC for soil macroorganisms: 2000 mg/kg soil dw
EC 10/LC10 or NOEC for soil microorganisms: 12000 mg/kg soil dw
- 12.1.7** Toxicity to terrestrial plants: NOEC (21d) for terrestrial plants: 1080 mg/kg

12.1.8 General effect:

Acute pH effect. Although this product is useful to correct water acidity, an excess of more than 1 g/l may be harmful to aquatic life. pH value of > 12 will rapidly decrease as result of dilution and carbonation.

12.2 Persistence and degradability

Not relevant for inorganic substance

12.3 Bioaccumulative potential

Not relevant for inorganic substance

12.4 Mobility in soils

Calcium dihydroxide, which is sparingly soluble, presents a low mobility in most soils

12.5 Results of PBT and vPvB assessment

Not relevant for inorganic substances

12.6 Endocrine disrupting properties

Available data for the substance have been considered against the criteria laid down in Regulations ((EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605) and found not to apply

12.7 Other adverse effects

No other adverse effects are identified

According to the criteria of the European classification and labelling system, the substance does not require classification as hazardous for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment:

Disposal of calcium dihydroxide should be in accordance with local and national legislation. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with applicable member state and local requirements. The used packing is only meant for packing this product; it should not be reused for other purposes. After usage, empty the packing completely.

SECTION 14: TRANSPORT INFORMATION

Calcium dihydroxide is not classified as hazardous for transport [ADR (Road), RID (Rail), ICAO/IATA (air), AND (inland waterways) and IMDG (Sea)].

14.1	UN No:	Not regulated
14.2	UN Proper Shipping Name:	Not regulated
14.3	Transport Hazard classes:	Not regulated
14.4	Packing Group:	Not regulated
14.5	Environmental hazards:	None
14.6	Special precautions for user:	Avoid any release of dust during transportation, by using air-tight tanks
14.7	Maritime transport in bulk according to IMO instruments:	Not regulated

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation specific for the substance

Authorisations:	Not required
Restrictions on use:	None
Other EU regulations:	Calcium dihydroxide is not a SEVESO substance, not an ozone-depleting substance and not a persistent organic pollutant.
National regulations:	None

15.2 Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance.

SECTION 16: OTHER INFORMATION

Data are based on our latest knowledge but do not constitute a guarantee for any specific product features and do not establish a legally valid contractual relationship.

16.1 Indications of change

The SDS has been revised to comply with Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of REACH.

16.2 Abbreviations

EC ₅₀ :	median effective concentration
LC ₅₀ :	median lethal concentration
LD ₅₀ :	median lethal dose
NOEC:	no observable effect concentration
OEL:	occupational exposure limit
PBT:	persistent, bioaccumulative, toxic chemical
PNEC:	predicted no-effect concentration
SCOEL:	Scientific Committee on occupational exposure limits
STEL:	short-term exposure limit
TWA:	time weighted average
vPvB:	very persistent, very bioaccumulative chemical

16.3 Key Literature References

Anonymous, 2006: Tolerable upper intake levels for vitamins and minerals Scientific Committee on Food, European Food Safety Authority, ISBN: 92-9199-014-0 [SCF document]

Anonymous, 2008: Recommendation from the Scientific Committee on Occupational Exposure Limits (SCOEL) for calcium oxide (CaO) and calcium dihydroxide (Ca(OH)₂), European Commission, DG Employment, Social Affairs and Equal Opportunities, SCOEL/SUM/137 February 2008

16.4 Relevant H-statements & P-phrases

Hazard Statements

H315:	Causes skin irritation
H318:	Causes serious eye damage
H335:	May cause respiratory irritation

Precautionary statements:

P102:	Keep out of reach of children
P280:	Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352:	IF ON SKIN: Wash with plenty of water
P310:	Immediately call a POISON CENTER or doctor/physician.
P261:	Avoid breathing dust/spray
P304+P340:	IF INHALED: Remove person to fresh air and keep comfortable for breathing
P501:	Dispose of contents/container in accordance with local/regional/national/international regulation.

DISCLAIMER

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation (EC 1907/2006; article 31 and Annex II), as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.

APPENDIX including Exposure Scenarios 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 9.10, 9.11, 9.12, 9.13, 9.14, 9.15 and 9.16

END OF SAFETY DATA SHEET