

**STRONGHOLD**  
GRP ROOFING SYSTEM

**STRONGHOLD**  
**ACETONE**  
**SAFETY DATA SHEET**

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## SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product identifier

Product name: Stronghold Acetone 701  
Chemical name: Acetone  
Product form: Substance

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

Relevant identified uses: Acetone cleaning agent for Glass Reinforced Plastic GRP Roofing.  
Contact the manufacturer for any other application.

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

Manufacturer/Supplier: The Glass Fibre Roofing Company Ltd.  
Address: Unit 33 Pontygwindy Industrial Estate, Caerphilly CF83 3HU  
Telephone number: 02920 888020  
E-mail: sales@strongholdgrp.co.uk

This document is available online at <http://www.strongholdgrp.co.uk>

### 1.4 Emergency telephone numbers

UK Telephone number: 02920 888020 (Office hours only)  
UK Urgent medical problem: 111 (NHS Direct)  
UK Life-threatening emergency: 999

## SECTION 2: Hazards Identification

### 2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Serious eye damage/eye irritation: Category 2  
Flammable liquids: Category 2

#### **Classification (67/548/EEC or 1999/45/EC) F<sub>+</sub>R11 Xi;R36 R66 R67**

#### Human health:

Irritating to eyes. May cause serious eye damage. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause skin sensitisation or allergic reactions in sensitive individuals. Spray/mists may cause respiratory tract irritation. In high concentrations, vapours may be irritating to the respiratory system. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death. See Section 11 for additional information on health hazards.

#### Environmental:

Not considered as an environmental hazard according to CLP criteria

#### Physicochemical:

The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

## 2.2 Label elements

### Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:



Signal word:

Danger

#### Hazard statements:

Highly flammable liquid and vapour  
Causes serious eye irritation  
May cause drowsiness or dizziness

H225  
H319  
H336

#### Precautionary statements - Prevention:

Keep away from heat/sparks/open flames/ hot surfaces – no smoking  
Ground/bond container and receiving equipment  
Use explosion proof electrical equipment  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing vapour/spray.  
Wash hands thoroughly after handling  
Use only outdoors in a well ventilated area  
Wear protective gloves/protective clothing/eye protection/face protection

P210  
P240  
P241  
P242  
P243  
P261  
P264  
P271  
P280

#### Precautionary statements - Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P303+P361+P353  
P304+P340  
P305+P351+P338  
P337+P313  
P370+P378

#### Precautionary statements - Storage:

Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

P403+P233  
P403+P235  
P405

#### Precautionary statements - Disposal:

Dispose of contents/container in accordance with national regulations.

P501

#### Supplementary statements:

Repeated exposure may cause skin dryness or cracking.

EUH066

Other hazards:

No information available.

## SECTION 3: Composition/Information on Ingredients

### 3.1 Substances

| Chemical name | CAS-No.<br>EC-No.<br>REACH Registration No. | % Weight | GHS Classification                      |
|---------------|---|----------|---|
| Acetone       | 67-64-1<br>200-662-2<br>01-2119471330-49    | NA       | Eye Irrit. 2 - H319<br>STOT SE 3 - H336 |

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

|                             |   |
|-----------------------------|---|
| General advice:             | Keep affected person under observation. Effects may be delayed. If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.  |
| Eye Contact:                | Remove any contact lenses and open eyelids wide apart.<br>Continue to rinse for at least 15 minutes. Get medical attention immediately.   |
| Skin contact:               | Remove affected person from source of contamination.<br>Remove contaminated clothing immediately and wash skin with soap and water.<br>Get medical attention promptly if symptoms occur after washing.  |
| Inhalation:                 | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration.<br>When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person under observation. Get medical attention if symptoms are severe or persist.<br>Show this Safety Data Sheet to the medical personnel. |
| Ingestion:                  | Get medical attention immediately. Rinse mouth thoroughly with water.<br>DO NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Keep affected person under observation.<br>Show this Safety Data Sheet to the medical personnel.   |
| Protection of first-aiders: | Always wear appropriate protective equipment during any rescue.   |

### 4.2 Most important symptoms and effects, both acute and delayed

|                      |  |
|----------------------|--|
| General information: | Get medical attention immediately.<br>The casualty should be transferred to hospital as soon as possible.  |
| Eye contact:         | Causes serious eye irritation. Immediate first aid is imperative.<br>Vapour or spray in the eyes may cause irritation and smarting.  |
| Skin contact:        | Prolonged contact may cause redness, irritation and dry skin.<br>Product has a defatting effect on skin.   |
| Inhalation:          | Vapours/aerosol spray may irritate the respiratory system. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Overexposure to organic solvents may depress the central nervous system, causing dizziness and intoxication and, at very high concentrations, unconsciousness and death. |
| Ingestion:           | Gastrointestinal symptoms, including upset stomach. Diarrhoea. Nausea, vomiting.   |

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

Notes to physician: No information available.

## SECTION 5: Firefighting Measures

### 5.1 Extinguishing media

Suitable extinguishing media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media: DO NOT use water jet as an extinguisher, as this will spread the fire.  
Non-alcohol resistant foam

### 5.2 Special hazards arising from the substance or mixture

Fire hazard: Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Solvent vapours may form explosive mixtures with air. May ignite at high temperature. Highly flammable liquid and vapour. Vapours may accumulate on the floor and in low-lying areas. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Vapours may be ignited by a spark, a hot surface or an ember.

Explosion hazard: Oxides of carbon. Acrid smoke or fumes.

### 5.3 Advice for firefighters

Protective equipment for firefighters: Move containers from fire area if it can be done without risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Withdraw immediately in case of rising sound from venting safety device or any discolouration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Other information: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental Release Measures

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

For non-emergency personnel: Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Take precautionary measures against static discharges. Take care as floors and other surfaces may become slippery. Follow precautions for safe handling described in this safety data sheet. For personal protection, see Section 8.

### 6.2 Environmental precautions

Environmental precautions: Environmental Manager must be informed of all major spillages. DO NOT discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

## 6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid the spillage or runoff entering drains, sewers or watercourses. Take care as floors and other surfaces may become slippery. Contain spillage with sand, earth or other suitable non-combustible material. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with international regulations. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

## 6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.  
See Section 11 for additional information on health hazards.  
Collect and dispose of spillage as indicated in Section 13.

# SECTION 7: Handling and Storage

## 7.1 Precautions for safe handling

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours and spray/mists. Avoid spilling. Avoid release to the environment. Use only in well-ventilated areas. Use suitable respiratory protection if ventilation is inadequate. Take precautionary measures against static discharge. Earth container and transfer equipment to eliminate sparks from static electricity. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge AVOID splash filling. DO NOT use compressed air for filling, discharging or handling operations.

Prevention of fire and explosion: Keep away from heat, sparks and open flame. Use explosion-proof electrical, ventilating and lighting equipment.

Hygiene measures: Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using DO NOT eat, drink or smoke. Clean equipment and the work area every day. Contaminated clothing should be placed in a closed container for disposal or decontamination.

## 7.2 Conditions for safe storage, 3 including any incompatibilities

Technical measures & Storage conditions: Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a well-ventilated place. Bund storage facilities to prevent soil and water pollution in the event of spillage. Earth container and transfer equipment to eliminate sparks from static electricity. Storage tanks and other containers must be earthed. Only store in correctly labelled containers.

Materials to avoid: Keep away from food, drink and animal feeding stuffs.

Packaging material: Suitable container materials: Carbon steel. Mild steel. Stainless steel. May attack some plastics, rubber and coatings.

## 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls / Personal Protection

### 8.1 Control parameters

#### Occupational exposure limits

| Chemical name | TWA – 8 hours                  | STEL – 15 mins                  |
|---------------|--------------------------------|---------------------------------|
|               | WEL 500 1210 mg/m <sup>3</sup> | WEL 1500 3620 mg/m <sup>3</sup> |

WEL = Workplace Exposure Limit

#### Derived no effect level (DNEL) according to Regulation (EC) No. 1907/2006

| Substance name | End Use   | Exposure routes | Potential health effects   | Value                  |
|----------------|-----------|-----------------|----------------------------|------------------------|
|                | Industry  | Inhalation      | Short term local effects   | 2420 mg/m <sup>3</sup> |
|                | Industry  | Dermal          | Long-term systemic effects | 186 mg/kg/day          |
|                | Industry  | Inhalation      | Long-term systemic effects | 1210 mg/m <sup>3</sup> |
|                | Consumers | Oral            | Long-term systemic effects | 62 mg/kg/day           |
|                | Consumers | Dermal          | Long-term systemic effects | 62 mg/kg/day           |
|                | Consumers | Inhalation      | Long-term systemic effects | 200 mg/m <sup>3</sup>  |

#### Predicted no effect concentration (PNEC) according to Regulation (EC) No. 1907/2006

| Substance name | End Use  | Environmental compartment | Potential health effects | Value      |
|----------------|----------|---------------------------|--------------------------|------------|
|                | Industry | Fresh water               | Long-term                | 10.6 mg/L  |
|                | Industry | Marine water              | Long-term                | 1.06 mg/L  |
|                | Industry | Intermittent release      | Long-term                | 21 mg/L    |
|                | Industry | Sediment (Freshwater)     | Long-term                | 30.4 mg/kg |
|                | Industry | Sediment (Marine water)   | Long-term                | 3.04 mg/kg |
|                | Industry | Soil                      | Long-term                | 29.5 mg/kg |
|                | Industry | STP                       | Long-term                | 100 mg/L   |

### 8.2 Exposure controls

#### Occupational exposure limits

Engineering measures:

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Ensure the ventilation system is regularly maintained and tested. Use explosion-proof electrical, ventilating and lighting equipment. This product must not be handled in a confined space without adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.



## Personal protective equipment

|                           |  |
|---------------------------|--|
| General Information:      | Use personal protective equipment.   |
| Respiratory protection:   | <p>If ventilation is inadequate, suitable respiratory protection must be worn.<br/>Wear a respirator fitted with the following cartridge:<br/>Organic vapour filter.<br/>Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Gas and combination filter cartridges should comply with European Standard EN14387.<br/>Change filter cartridge on respirator daily. Check that the respirator fits tightly and the filter is changed regularly.<br/>Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.<br/>When spraying, wear a suitable supplied-air respirator.</p> |
| Eye protection:           | <p>Wear eye protection. If risk of splashing, wear safety goggles or face shield.<br/>Personal protective equipment for eye and face protection should comply with European Standard EN166.</p>  |
| Skin and body protection: | <p>Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station and safety shower.</p>   |
| Hand protection:          | <p>Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.<br/>For exposure up to 8 hours, wear gloves made of the following material:<br/>Butyl rubber. Polyethylene. Polytetrafluoroethylene (PTFE, Teflon).<br/>For short-term the following are recommended for splash protection:<br/>Viton rubber (fluoro rubber).</p>   |
| Hygiene measures:         | <p>DO NOT eat, drink or smoke when using this product.<br/>Wash at the end of each work shift and before eating, smoking and using the toilet.<br/>Remove contaminated clothing and protective equipment before entering eating areas. Contaminated clothing should be placed in a closed container for disposal or decontamination.</p>   |

## Environmental exposure controls

|                                  |  |
|----------------------------------|--|
| Environmental exposure controls: | Keep container tightly sealed when not in use. |
|----------------------------------|--|

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

| Property            | Values            | Remark            |
|---------------------|-------------------|-------------------|
| Appearance          | Colourless        |                   |
| Physical state      | Liquid            |                   |
| Particle size       | No data available | No data available |
| Odour               | Ketonic           |                   |
| Odour threshold     | 0.15 ppm          |                   |
| pH                  | No data available | No data available |
| Melting point/range | -94.7°C           |                   |

|                                   |                             |                   |
|-----------------------------------|-----------------------------|-------------------|
| Freezing point                    | No data available           | No data available |
| Boiling point                     | 56.05°C @ 1013 hPa          |                   |
| Flash point                       | -17°C (Closed cup)          |                   |
| Evaporation rate                  | 5.6 BuAc=1                  |                   |
| <b>Flammability limits in air</b> |                             |                   |
| Upper                             | 14 %                        |                   |
| Lower                             | 2.5 %                       |                   |
| Vapour pressure                   | 24 kPa @ 25°C               |                   |
| Vapour density                    | 2                           |                   |
| Density                           | 0.791 kg/l @ 20°C           |                   |
| Water solubility                  | Soluble in water            |                   |
| Partition coefficient             | Log Pow: - 0.24             |                   |
| n-octanol/water                   |                             | No data available |
| Solubility in other solvents      | Miscible – Organic solvents |                   |
| Auto ignition temperature         | 465 °C                      |                   |
| Decomposition temperature         | No data available           | No data available |
| Viscosity, kinematic              | No data available           | No data available |
| Viscosity, dynamic                | 0.33 mPa s @ 20°C           |                   |
| Explosive properties              | No data available           | No data available |
| Oxidizing properties              | No data available           | No data available |

### Other safety information

| Property         | Values | Remark |
|------------------|--------|--------|
| Refractive index | 1.359  |        |
| Molecular weight | 58.08  |        |
| Volatility       | 100    |        |

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

The following materials may react with the product: Strong oxidising agents. Alkalies. Amines.

### 10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3 Possibility of hazardous reactions

Reacts with strong oxidising agents Alkalis. Amines.

### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

Avoid heat.

Static electricity and formation of sparks must be prevented.

Avoid the accumulation of vapours in low or confined areas.

### 10.5 Incompatible materials

Strong oxidising agents. Alkalis. Amines.

### 10.6 Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Acrid smoke or fumes.

## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

|                                   |   |
|-----------------------------------|---|
| Inhalation:                       | Vapours/aerosol spray may irritate the respiratory system. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Overexposure may depress the central nervous system, causing dizziness and intoxication. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations. |
| Ingestion:                        | Gastrointestinal symptoms, including upset stomach. Diarrhoea. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.   |
| Skin contact:                     | Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Product has a defatting effect on skin. May cause skin sensitisation or allergic reactions in sensitive individuals.  |
| Eye contact:                      | Causes serious eye irritation. Repeated exposure may cause chronic eye irritation. Risk of serious damage to eyes.  |
| Acute and chronic health hazards: | Irritating to eyes.   |
| Route of entry:                   | Central nervous system<br>Eyes<br>Gastro-intestinal tract<br>Skin   |
| Medical symptoms:                 | Central nervous system depression.<br>Confusion, agitation and/or excitation.<br>Gastrointestinal symptoms, including upset stomach.<br>Diarrhoea.<br>Dizziness.<br>Nausea, vomiting.<br>Irritation of eyes and mucous membranes.   |
| Medical considerations:           | Central nervous system depression.<br>Splash in eye requires examination by eye specialist.<br>Persons with rash are directed to skin expert for examination of allergic eczema.  |

| Chemical name | LD50 Oral        | LD50 Dermal            | LC50 Inhalation            |
|---------------|------------------|------------------------|----------------------------|
|               | 5,800 mg/kg, Rat | >15,800 mg/kg/day, Rat | LC50 76 mg/L (4h/day), Rat |

|   |   |
|---|---|
| Skin corrosion/irritant:                            | Animal data. Not classified as irritating to skin.  |
| Serious Eye Damage/Eye Irritation:                  | Classified as irritating to eyes.   |
| Respiratory or skin sensitisation:                  | Not classified as a respiratory or skin sensitiser.   |
| Mutagenic effects:                                  | Does not contain any substances known to be mutagenic.  |
| Carcinogenicity:                                    | Does not contain any substances known to be carcinogenic.   |
| Reproductive toxicity:                              | Based on available data the classification criteria are not met.<br>This substance has no evidence of toxicity to reproduction. |
| Specific target organ toxicity (single exposure):   | Brain/ Central nervous system<br>May cause drowsiness or dizziness.   |
| Specific target organ toxicity (repeated exposure): | Brain/ Central nervous system<br>Based on available data the classification criteria are not met.                               |
| Aspiration hazard:                                  | Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.  |
| General information:                                | Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.                          |

## SECTION 12: Ecological Information

### 12.1 Toxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

#### Acute aquatic toxicity – component information

| Chemical name | Toxicity to aquatic plants                            | Toxicity to daphnia and other aquatic invertebrates | Toxicity to fish  | Toxicity to microorganisms      |
|---------------|---|---|---|---------------------------------|
|               | EC50 (96 h) > 100 mg/L <i>Scenedesmus subspicatus</i> | EC50 (48 h) 8800 mg/L <i>Daphnia magna</i>          | LC50 (96 h) 5540 mg/L <i>Onchorhynchus mykiss</i> (Rainbow trout) | EC50 1000 mg/L Activated sludge |

#### Chronic aquatic toxicity – component information

| Chemical name | Toxicity to daphnia and other aquatic invertebrates |
|---------------|---|
|               | NOEC (28 d) 2212 mg/L <i>Daphnia magna</i>          |

### 12.2 Persistence and degradability

Readily biodegradable Oxidises rapidly by photochemical reactions in air.

Biodegradation: water - Degradation (%) 91: 28d

Chemical oxygen demand: 2.21 g O<sub>2</sub>/g substance

### 12.3 Bio accumulative potential

Does not bio accumulate significantly

Partition coefficient: log Pow: - 0.24

### 12.4 Mobility in soil

The product is water-soluble and may spread in water systems. Large volumes may penetrate soil and could contaminate groundwater. If product enters soil it will be mobile and may contaminate groundwater.

Henry's law constant: 2.929 - 3.070 Pa m<sup>3</sup>/mol @ 25°C

Surface tension: 22.8 mN/m @ 20°C

### 12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### 12.6 Other adverse effects

The product contains a substance or substances that will contribute to global warming (greenhouse effect).

Not expected to have ozone depletion potential

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

Waste from residues / unused: Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Collect and place in suitable waste disposal containers and seal securely.

Products: Avoid the spillage or runoff entering drains, sewers or watercourses. Waste is classified as hazardous waste. Empty containers or liners may retain some product residues and hence be potentially hazardous. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

Contaminated packaging: Contaminated packages must be completely emptied before sending away for laundering and re-use. When handling waste, the safety precautions applying to handling of the product should be considered.

Other information: Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

## SECTION 14: Transport Information

| ADR/RID | IMDG/IMO | ICAO/IATA | ADN |
|---------|----------|-----------|-----|
|---------|----------|-----------|-----|

### 14.1 UN Number

|        |        |        |        |
|--------|--------|--------|--------|
| UN1090 | UN1090 | UN1090 | UN1090 |
|--------|--------|--------|--------|

### 14.2 UN proper shipping name

|         |         |         |         |
|---------|---------|---------|---------|
| ACETONE | ACETONE | ACETONE | ACETONE |
|---------|---------|---------|---------|

### 14.3 Transport hazard class

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| Hazard class 3 | Hazard class 3 | Hazard class 3 | Hazard class 3 |
|----------------|----------------|----------------|----------------|

### 14.4 Packing group

|    |    |    |    |
|----|----|----|----|
| II | II | II | II |
|----|----|----|----|

### 14.5 Environmental hazards

|    |    |    |    |
|----|----|----|----|
| No | No | No | No |
|----|----|----|----|

Marine pollutant: No

### 14.6 Special precautions for user

|                                |                              |          |
|--------------------------------|------------------------------|----------|
| <b>ADR/RID</b>                 | Transport category           | 2        |
|                                | Emergency Action Code        | 2        |
|                                | Hazard Identification Number | 33       |
|                                | Tunnel restriction code:     | (D/E)    |
| <b>IMDG/IMO</b>                | EmS:                         | F-E, S-D |
| Special precautions for users: | No information available     |          |

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Cat Z

## SECTION 15: Regulatory Information

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

#### National regulations:

Health and Safety at Work etc. Act 1974 (as amended).

Control of Substances Hazardous to Health Regulations 2002 (as amended).

Dangerous Substances and Explosive Atmospheres Regulations 2002.

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

#### EU legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

#### Guidance:

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

Safety Data Sheets for Substances and Preparations.

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

A chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

### SECTION 16: Other Information

None.

#### Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, in formation and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Material Safety Data Sheet**