

## SAFETY DATA SHEET

According to Commission Regulation (EU) No. 453/2010



### Barrel Blitz Universal ABS

Version: 02 04 March 2016

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

Trade name : Barrel Blitz Universal ABS

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

Use of the Substance/Mixture : Purging compound for cleaning plastics processing equipment

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

|   |   |   |
|---|---|---|
| <b>Company</b><br>Aquapurge Ltd<br>Unit 7 Craufurd Bus Pk<br>Silverdale Rd<br>Hayes. Middlesex.<br>UB3 3BN UK | <b>Telephone</b><br>+44(0)2088137990            | <b>Registration No.</b><br>Not Applicable |
|   | <b>Email address</b><br>enquiries@aquapurge.com |   |

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture Classification (REGULATION (EC) No. 1272/2008)

Not a hazardous substance or mixture

#### Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture

#### Labelling according to EC Directives: 1999/45/EC

No labelling applicable

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**2.3 Other hazards**

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vP vB) at levels 0.1% or higher.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not Applicable

**3.2 Mixture**

| Chemical name             | CAS-No.<br>EC-No.     | Concentration (%) |
|---------------------------|-----------------------|-------------------|
| Magnesite                 | 546-93-0<br>208-915-9 | 35 - 65%          |
| Calcium Carbonate         | 471-34-1<br>207-439-9 | 0 – 10%           |
| Crystalline Silica Quarts | 14808-60-7            | <1                |

**4. FIRST AID MEASURES****4.1 Description of first aid measures****General advice**

- Take proper precautions to ensure your own health and safety before attempting to rescue and providing first aid
- In all cases of doubt, or when symptoms persist, seek medical advice

**Inhalation**

- Move person to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.
- If symptoms persist, call a physician.

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#### Eye contact

- Remove contact lenses
- In case of raw material contact with eyes, rinse immediately with plenty of water and if eye irritation persists seek medical advice
- Keep eye wide open while rinsing
- In case of eye contact with molten polymer, continuously flush eye(s) with cool running water for at least 15 minutes. Beyond flushing DO NOT attempt to remove the material adhering to the eye(s)
- Immediately seek medical attention

#### Skin contact

- Wash off immediately with plenty of water and soap
- Following contact with melted product, quickly cool affected skin area with water. Do not attempt to remove the congealed product from skin
- Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

#### Ingestion

- Clean mouth with water and drink plenty of water afterwards
- Do not give milk or alcoholic beverages
- Do not induce vomiting
- Never give anything by mouth to an unconscious person

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

##### Symptoms

- Inhalation of process fumes and vapours may cause soreness in the nose and throat and coughing.
- Inhalation of dust may cause irritation of the respiratory system
- The melted polymer can cause severe burns

##### Hazards

- Dust contact with the eyes can lead to mechanical irritation.
- Molten polymer may cause thermal burns
- Material spillages can cause slipping

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

##### Treatment

- Treatment of overexposure should be directed at the control of symptoms and clinical condition of the patient
- Treatment of burns should be symptomatically

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## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

##### SMALL FIRE

- Use Carbon Dioxide (CO<sub>2</sub>), Dry Powder, Water Spray, Alcohol-resistant foam

##### LARGE FIRE

- Use water spray hose nozzles from a safe location.

#### UNSUITABLE EXTINGUISHING MEDIA

- None known.

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

#### Specific hazards during Firefighting

- Keep away from heat and sources of ignition.
- In case of fire hazard decomposition products may be produced such as: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3 Advice for firefighters

#### Special protective equipment for fire-fighters

- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment

#### Further information

- Combustible particulate solid will decompose under fire conditions.
- Calorific value: 8000 – 11000 kcal/kg
- Fight fire from safe distance with hose lines or monitor nozzles.
- Heat from fire may melt, decompose polymer, and generate flammable vapours.
- Move containers from fire area if it can be done without risk. Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container.

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**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal precautions**

- Avoid dust formation
- Equip responders with proper protection
- Equip emergency responders with proper personal protective equipment (PPE)
- Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air)
- Potential combustible dust hazard
- Polymer particles create slipping hazard on hard smooth surfaces.

**6.2 Environmental precautions**

**Environmental precautions**

- Do not flush into surface or sanitary sewer system
- Do not allow uncontrolled leakage of product into the environment

**6.3 Methods and materials for containment and cleaning up**

**Methods for cleaning up**

- Remove mechanically, placing in appropriate containers for disposal
- Avoid generation of dust
- Vacuum with equipment that avoids ignition risk
- All recovered material should be packaged, labelled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices
- Reclaim where possible

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

- Material is in coarse powder form
- Avoid dust accumulation in enclosed space
- Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard
- Remove all sources of ignition
- Static discharge (spark), or other ignition sources in high dust environments may ignite the dust and result in a dust explosion
- Electrostatic charge may build up during conveying or handling
- Equipment handling product should be conductive and grounded (earthed) and bonded
- Metal containers involved in the transfer of this material should be grounded and bonded.
- All electrical equipment should conform to applicable electric codes and regulatory requirements for areas handling combustible dusts.
- After handling, always wash hands thoroughly with soap and water.
- When bringing the material to processing temperatures vapours may develop may condense in the exhaust ventilation. See section 10.

#### Hygiene measures

- Do not eat, drink or smoke when using the product
- Wash hands before breaks and at the end of work

#### Fire-fighting class

- Product will burn but does not easily ignite.

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

#### Requirements for storage areas and containers

- Store in a dry location
- Use good housekeeping practices during storage, transferring and handling
- Process enclosures and adequate ventilation should be used to avoid excessive dust accumulation
- Store away from excessive heat and away from strong oxidizing agents
- Keep container closed to prevent contamination
- Take measures to prevent the build-up of electrostatic charge.

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### 7.3 Specific end uses

End uses : See Section 1.2

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Ingredients with workplace control parameters

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|   | <b>Value</b>                      | <b>Update</b> | <b>Basis</b> |
|---|-----------------------------------|---------------|--------------|
| Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust | 10 mg/m <sup>3</sup><br>inhalable | 2005          | EH40 WEL     |
| Materials that can be formed when handling this product: Non-specified (inert or nuisance) dust | 3 mg/m <sup>3</sup><br>respirable | 2005          | EH40 WEL     |

### 8.2 Exposure controls

#### Appropriate engineering controls

- Follow the recommendations in the international standard NFPA 654 (as amended and adopted) for equipment used to handle this product
- Engineering controls, i.e. enclosed systems, should be used whenever feasible to maintain exposures below acceptable criteria. When such controls are not feasible, or sufficient to achieve full conformance, other engineering controls

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#### Personal protective equipment

##### Respiratory protection

- Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits
- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
- Use appropriate respiratory protection where atmosphere exceeds recommended limits
- Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified respirators.

##### Eye protection

- Dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles which may result from handling this product
- Face mask should be worn when purging or dismantling equipment

##### Hand protection

- For prolonged or repeated contact use protective gloves
- Wear gloves that provide thermal protection where there is a potential for contact with heated material

##### Skin and body protection

- Wear suitable protective clothing.

##### Hygiene measures

- Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use
- Use good personal hygiene practices
- Wash hands before eating, drinking, smoking, or using toilet facilities
- Take off contaminated clothing and wash before reuse

#### Environmental exposure controls

##### General advice

- See section 6



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| Appearance                                  | : Coarse free flowing powder   |
| Colour                                      | : White  |
| Odour                                       | : Slight   |
| Lower explosion limit                       | : The minimum explosive concentration (MEC) for polymer dust varies according to particle size distribution. |
| Upper explosion limit                       | : Not applicable.  |
| Flammability (solid, gas)                   | : Polymer will burn but does not easily ignite.  |
| Oxidizing properties                        | : Not considered an oxidizing agent.   |
| Autoignition temperature                    | : > 300 °C   |
| pH  | : 8.5 – 9.5, Concentration 100 g/l (20°C)  |
| Melting point/range                         | : 50 - 170 °C  |
| Boiling point/boiling range                 | : Not applicable.  |
| Vapour pressure                             | : Note: Not applicable.  |
| Density                                     | : 2.1 – 2.2 g/cm <sup>3</sup>  |
| Water solubility                            | : 0.028 – 0.12 g/l (20°C)  |
| Partition coefficient<br>: n- octanol/water | : No Data Available  |
| Viscosity, dynamic                          | : Not applicable.  |
| Relative vapor density                      | : Not applicable   |
| Evaporation rate                            | : Not applicable   |
| Explosive properties                        | : No Data Available.   |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No known reactivity hazards.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Will not occur.

### 10.4 Conditions to avoid

Conditions to avoid : Avoid contact with strong oxidizers, excessive heat, sparks or open flame..

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#### 10.5 Incompatible materials

Materials to avoid : Material may be softened by some hydrocarbons.

#### 10.6 Hazardous decomposition products

Hazardous decomposition products

- Carbon Dioxide (CO<sub>2</sub>)

Thermal decomposition

- Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed

#### 11. TOXICOLOGICAL INFORMATION

##### 11.1 Information on toxicological effects

###### Acute toxicity

Acute oral toxicity : LD50 Oral rat: > 5.000 mg/kg  
Acute inhalation toxicity : No data available  
Acute dermal toxicity : Not classified

Skin corrosion/irritation : Not a skin irritant  
Serious eye damage/eye irritation : Not an irritant  
Mechanical irritation is possible  
Respiratory or skin sensitization : Not classified

###### Chronic toxicity

Carcinogenicity : Not classified  
Germ cell mutagenicity : Not classified

###### Reproductive toxicity

Effects on fertility / : Not classified  
Effects on or via lactation  
Effects on Development : Not classified

Target Organ Systemic Toxicant (Single exposure) : The substance or mixture is not classified as specific target organ toxicant

Target Organ Systemic Toxicant (Repeated exposure) : The substance or mixture is not classified as specific target organ toxicant

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Ecotoxicology Assessment

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

### 12.2 Persistence and degradability

Biodegradability : Not expected to be biodegradable.

### 12.3 Bioaccumulative potential

Bioaccumulation : This material is not expected to bioaccumulate.

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

### 12.6 Other adverse effects

#### Additional ecological information

- Ecotoxicity is expected to be minimal based on the low water solubility of polymers
- No data available on this product. However, birds, fish and other wildlife may eat the powder which may obstruct their intestinal tracts.
- In solid state these minerals are a major part of the rocks of the earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should therefore be excluded. Restrictions may be indicated that concentrated suspensions these minerals in natural waters may have an unfavourable effect on water organisms (disturbance of the micro flora and -fauna in the sediment and subsequent detriment to the existence of higher water organisms).

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**13. DISPOSAL CONSIDERATIONS****13.3 Packaging disposal**

Contaminated packaging : Dispose of as special waste in compliance with local and national regulations.

**14. TRANSPORTATION INFORMATION**

Not classified as dangerous in the meaning of transport regulations

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations specific for the substance or mixture****REACH status**

We confirm that the chemical mixture in this product has been where required pre-registered or, under REACH, registered, and that we have the intention to proceed with any required registration in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006)

Regulation (EC) No 689/2008 of the European Parliament and the Council concerning the export and import of dangerous chemicals

- not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

- not applicable

REACH - List of substances subject to authorisation (Annex XIV)

- not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer - Annex I Controlled substances covered

- not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants

- not applicable

Water contaminating class (Germany)

- not water endangering

**15.2 Chemical safety assessment**

No information available

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## 16. OTHER INFORMATION

### Disclaimer

Multiple legal entities and registration numbers may be displayed in Section 1. The Recipient shall refer to the shipping documents to identify the legal entity that supplied this product.

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The presentation of numerical data, such as that used for physical and chemical properties and toxicological values, is expressed using a comma (,) to separate digits into groups of three and a period (.) as the decimal marker. For example, 1,234.56 mg/kg = 1 234,56 mg/kg.