



**SAFETY DATA SHEET**  
BLACKFAST 517 ACID PICKLE HEAVY

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Compilation date: 01/08/2011

Revision No: 3

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** BLACKFAST 517 ACID PICKLE HEAVY

**Product code:** 517

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

**Use of substance / mixture:** Chemical preparation for pickling of metal surfaces

**1.3. Details of the supplier of the safety data sheet**

**Company name:** Blackfast Chemicals Limited

78 Coombe Road

New Malden

Surrey

KT3 4QS

United Kingdom

**Tel:** +44 (0) 20 8336 2900

**Fax:** +44 (0) 20 8336 0909

**Email:** sales@blackfast.com

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0) 7985 975545

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CHIP:** C: R34

**Most important adverse effects:** Causes burns.

**2.2. Label elements**

**Label elements under CHIP:**

**Hazard symbols:** Corrosive.



**Risk phrases:** R34: Causes burns.

**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S28: After contact with skin, wash immediately with plenty of water.

[cont...]

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## 2.3. Other hazards

**PBT:** This substance is not identified as a PBT substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

NITRIC ACID

| EINECS    | CAS       | CHIP Classification | CLP Classification | Percent |
|-----------|-----------|---------------------|--------------------|---------|
| 231-714-2 | 7697-37-2 | O: R8; C: R35       | -                  | 10-20%  |

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

**Skin contact:** Severe burns may occur.

**Eye contact:** Corneal burns may occur.

**Ingestion:** It is unlikely that this substance will be swallowed due to its physical properties.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water spray. Water fog.

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

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**NITRIC ACID...100%**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA |              | 15 min. STEL |              |
|-------|------------|--------------|--------------|--------------|
|       | 8 hour TWA | 15 min. STEL | 8 hour TWA   | 15 min. STEL |
| UK    | -          | 2.6 mg/m3    | -            | -            |

### 8.2. Exposure controls

**Engineering measures:** Ensure there is exhaust ventilation of the area.

**Hand protection:** PVC gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Plastic apron.

## Section 9: Physical and chemical properties

[cont...]

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## 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Perceptible odour

**Solubility in water:** Soluble

**Relative density:** 1.05

**pH:** 1.25

## 9.2. Other information

**Other information:** Not applicable.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid:** Reducing agents. Alcohols.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of nitrogen oxides.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

| Route   | Species | Test    | Value   | Units |
|---------|---------|---------|---------|-------|
| ORAL    | RAT     | LD50    | 3785.21 | mg/kg |
| VAPOURS | RAT     | 4H LC50 | 7.0422  | mg/l  |

#### Relevant effects for mixture:

| Effect      | Route       | Basis                 |
|-------------|-------------|-----------------------|
| Corrosivity | OPT INH DRM | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** Severe burns may occur.

[cont...]

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**Eye contact:** Corneal burns may occur.

**Ingestion:** It is unlikely that this substance will be swallowed due to its physical properties.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:**

| Species | Test     | Value  | Units |
|---------|----------|--------|-------|
| FISH    | 96H LC50 | 633.80 | mg/l  |

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Slightly bioaccumulable.

### 12.4. Mobility in soil

**Mobility:** Soluble in water. Absorbed only slowly into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This substance is not identified as a PBT substance.

### 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 11 01 05

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN2031

### 14.2. UN proper shipping name

**Shipping name:** NITRIC ACID

[cont...]

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## 14.3. Transport hazard class(es)

Transport class: 8 (5.1)

## 14.4. Packing group

Packing group: II

## 14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

## 14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** R8: Contact with combustible material may cause fire.

R34: Causes burns.

R35: Causes severe burns.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.