

## FREEFLOW

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product/Trade Name: FREEFLOW

Supplier: LANGHEDGE LABORATORIES LTD  
UNIT 4  
LANGHEDGE LANE IND. ESTATE  
LONDON N18 2TQ

Emergency Contact Office Hours: 028 803 4444

Emergency Contact out of Office Hours: 01296 582599 or 07834 653512

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>%w/w</u>	<u>CAS No.</u>	<u>EINECS No.</u>
Sulphuric Acid	>51	7664-93-9	231-639-5

In addition the product contains an inhibitor.

**3. HAZARDS IDENTIFICATION**

**Classification:** The product is highly corrosive and will cause severe burns to all bodily tissues. It is highly reactive and can cause health hazards if mixed with other chemicals.

**4. FIRST AID MEASURES**

**Inhalation:** Not usually applicable unless mishandling causes a spray or mist to be formed, which can cause irritation to the respiratory system. In such cases remove the patient from exposure and obtain medical attention.

**Skin Contact:** Drench the skin and clothes with plenty of water. Remove contaminated clothing immediately and either discard or launder before reuse if this is appropriate. If the skin is damaged obtain MEDICAL ATTENTION IMMEDIATELY.

**Eye Contact:** Flush with water for 15 minutes while holding eyelids open. **Immediate action is vital to ensure there is no permanent damage. GET MEDICAL ATTENTION AT ONCE.**

**Ingestion:** If swallowed do not induce vomiting. Wash out the mouth with water and give plenty of water to drink. **GET MEDICAL ATTENTION IMMEDIATELY.**

## 5. FIRE FIGHTING MEASURES

**Fire-Fighting Procedures:** The product does not support combustion. Dry powder or water may be used with extreme caution to extinguish fires in the vicinity of sulphuric acid. Water jets should never be used near concentrated sulphuric acid. Wear full protective clothing and self-contained breathing apparatus.

**Hazardous Combustion Products:** Oxides of sulphur.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear full protective clothing as specified in Section 8.

**Environmental Precautions:** Do not allow the undiluted product to contaminate land, watercourses or surface water drains

**Methods of Cleaning:** Bund with sand or earth and where possible pump acid into a suitable salvage tank. Cautiously dilute with plenty of water prior to neutralising with soda ash or slaked lime. If salvage is not possible, greatly dilute with water before attempting to neutralise the acid.

## 7. HANDLING AND STORAGE

**Handling:** Keep container closed when not in use and when transporting the product. Use the product in accordance with the written instructions and with the information contained in this data sheet. Ensure running water and eyewash facilities are available.

**Storage:** Store in a cool dry place apart from other chemical products.

## 8. EXPOSURE CONTROLS

**Exposure Limits:** OES - 8hr TWA for sulphuric acid is mg/m<sup>3</sup>.

**Respiratory Protection:** No special precautions are necessary when using the product according to the written instructions.

**Hand Protection:** Wear suitable rubber or PVC coated gloves.

**Eye Protection:** Wear goggles and/or complete face shield.

**Skin Protection:** PVC overalls and acid resistant footwear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear to turbid, colourless to red-brown liquid.

**Odour:** Sulphurous

**pH:** <1

**Specific Gravity:** -1.8

**Solubility in Water:** Complete at all dilutions.

#### 10. STABILITY AND REACTIVITY

**Stability:** Product is stable

**Materials to Avoid:** Contact with metals can cause evolution of flammable hydrogen gas. Will react with and decompose many organic materials. Reacts violently with water and alkaline materials with the evolution of heat. In general avoid contact with any other chemicals.

**Hazardous Decomposition Products:** Oxides of sulphur

#### 11. TOXICOLOGICAL INFORMATION

**Toxicological Data:**

**Inhalation:** Inhalation of mists or spray will cause severe irritation of the respiratory tract. However, this is unlikely to occur when the product is used as directed.

**Skin Contact:** Severe burns which are very painful and slow to heal.

**Eye Contact:** Severe burns which can cause permanent damage and loss of sight.

**Ingestion:** Very serious burns to the mouth, throat and stomach, which may prove fatal.

#### 12. ECOLOGICAL INFORMATION

**Biodegradability:** Neutralised very slowly by natural alkalinity and reaction with organic matter. The product does not bio-accumulate.

**Environmental Hazard:** The strong acidity of the product renders it very harmful to vegetation, animal and aquatic species.

#### 13. DISPOSAL CONSIDERATIONS

**Product:** The product as supplied is very hazardous and it is advisable to enlist the services of a waste disposal contractor if significant amounts need to be treated.

**Container:** After use wash out thoroughly with water and dispose of with general waste.

#### 14. TRANSPORT INFORMATION

**UN Number:** 1830

**Classification:** 8, CORROSIVE

**ADR/RID** 8, 10(b)

**MSDS:** FREEFLOW

**DATE:** 06/12/06

Hazchem: 2P

## 15. REGULATORY INFORMATION

### CLASSIFICATION AND LABELLING ACCORDING TO EU DIRECTIVES

**Classification:** C Corrosive

**Risk Phrases:** R35 Causes severe burns

**Safety Phrases:** S1 Keep locked up and out of reach of children

S26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

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

#### **Applicable Legislation:**

Health & Safety at Work Act 1974 (as amended): Environmental Protection Act 1990 (as amended): COSHH Regulations 1994: CHIP Regulations 1996 (as amended).

**NOTE:** This data sheet does not constitute a User's Assessment of Workplace Risk as required by HSAWA, COSHH, Management of Health and Safety at Work Regulations, or other Health and Safety Legislation.

If this product is re-distributed details contained in this sheet must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose.

## 16. OTHER INFORMATION

**Recommended Uses:** This product is supplied solely for professional use for the clearance of blockages in toilets, sewage pipes etc. The product is hazardous and must be used strictly in accordance with the written instructions.

**Sources of Key Data:** Approved supply list and raw material manufacturer's information.

**Legal disclaimer:** The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.