

Reference Number : 049
Revision Date : 11/12/2003
Revision Number : 5
Material / Trade Name : DRAIN OPENER

1 - Substance Identification

(Synonym :)

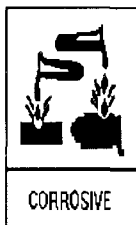
Material / Trade Name : DRAIN OPENER
Material Type : ACIDIC CLEANER
Company : The Paramount Group
Address : Lydney Industrial Estate,
Harbour Rd, Lydney
Gloucestershire, UK
GL15 4EJ
Telephone : 01594 842688
Fax : 01594 842989
Emergency Telephone : 01594 842688

2 - Composition

Substance	% Wt.	Cas Number	Eec Number
Sulphuric Acid	95-98%	7664-93-9	231-639-5

3 - Hazard Identification

a) Hazard Symbols:



C;R35

b) Risk & Safety:

R35 CAUSES SEVERE BURNS
S2 Keep Out Of Reach Of Children
S26 In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water
S37 Wear Suitable Gloves
S45 In Case Of Accident Or If Feeling Unwell Seek Medical Advice Immediately
S30 Never Add Water To This Product

4 - First-aid Measures

a) Inhalation:

Remove From Source Of Exposure
Keep Warm And At Rest
Obtain Medical Attention Urgently

b) Eyes:

Take Care Not To Wash Chemical From One Eye To The Other
Immediately Flood With Copious Amounts Of Water, Holding The Eye Open If
Necessary
Irrigate With Water For At Least 15 Minutes
Get Prompt Medical Attention

c) Skin:

Remove Clothing And Wash Contaminated Area With Plenty Of Water
If Affected Area Is Large, Preferably Use A Shower And Remove Contaminated
Clothing As Washing Proceeds
Obtain Medical Attention Immediately

d) Ingestion:

Wash Out Mouth With Water
If Product Is Confined To Mouth, Ensure Mouthwash Is Not Swallowed
If Swallowed, Give Water To Drink Immediately
Do Not Induce Vomiting
Seek Medical Attention Immediately

Reference Number : 049
Revision Date : 11/12/2003
Revision Number : 5
Material / Trade Name : DRAIN OPENER

5 - Fire-fighting Measures**a) Suitable Extinguishers:**

Substance Does Not In Itself Represent A Fire Hazard
Water Jet

b) Unsuitable Extinguishers:

Apply Water With Care As Boilover May Occur

c) Hazardous Decomposition:

Evolution Of Heat In Combination With Water
May Generate Toxic & Explosive Fumes In A Fire
See Section 10

d) Special Procedures:

Use Approved Self-Contained Breathing Apparatus

6 - Accidental Release Measures**a) Exposure Controls:**

Eliminate All Sources Of Ignition
Evacuate Area
Use Barriers To Prevent Accidental Entry Into Contaminated Areas

b) Personal Protection:

Use Eye Protection Such As Goggles To BS2092 Chemical Grade
Wear Face Visor To BS 2092 Impact And Chemical Grade
Wear PVC Gloves
Wear Acid Resistant Overalls
Wear PVC Boots

c) Disposal Considerations:

Absorb In Inert Material Such As Sand Or Absorbent Granules
Do Not Use Combustible Materials Such As Sawdust
Cover With Soda Ash/Calcium Hydroxide Mixture (50-50) & Mix To Slurry
If Local Authority Regulations Permit, Wash Neutralised Slurry To Waste
With Plenty Of Water. Otherwise Transfer Slurry To Container To Await
Disposal By Licensed Contractor.

7 - Handling And Storage**a) Handling:**

Wear Suitable Protective Clothing (See Section 8)
Safety Showers & Eyewash Stations Should Be Available In Areas Where
Accidental Exposure Is Possible

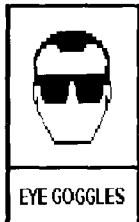
b) Storage:

Store In Original Containers
Store At Ambient Temperatures
Store Away From Incompatible Materials - See Section 10
Bunded Areas With Ventilation Systems Should Be Considered For Storage Of
Large Quantities Of This Product

Reference Number : 049
 Revision Date : 11/12/2003
 Revision Number : 5
 Material / Trade Name : DRAIN OPENER

8 - Exposure Controls

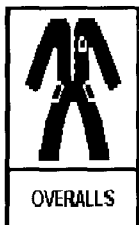
Occupational Exposure Limit : 1mg/m3 8hr TWA
 Biological Exposure Limit :



Wear Suitable Eye Protection Such As BS2092 Chemical Grade



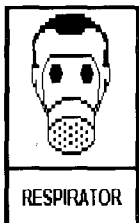
Wear PVC Gloves



Wear Suitable Overalls And Change Contaminated Clothing



Wear Chemical Resistant Footwear



Consider Suitable Respirators Where Exposure Is High

9 - Physical & Chemical Properties

Appearance	STRAW COLOURED LIQUID
Odour	NONE
Ph	NOT DETERMINED
Boiling Point/range	NOT APPLICABLE
Melting Point/range	NOT APPLICABLE
Flash Point	NOT APPLICABLE
Flammability	NOT APPLICABLE
Autoflammability	NOT APPLICABLE
Explosive Properties	NONE BUT SEE SECTION 10
Oxidising Properties	SEE SECTION 10
Vapour Pressure	NOT APPLICABLE
Relative Density	1.840
Solubility	UNLIMITED IN WATER BUT HIGHLY EXOTHERMIC
Partition Coefficient	NOT DETERMINED
Miscibility	NOT DETERMINED
Vapour Density	NOT APPLICABLE
Evaporation Rate	NOT APPLICABLE
Viscosity	NOT DETERMINED

10 - Stability And Reactivity

Stability: Stable At Normal Temperatures
 Hazardous Decomposition Products: Oxides Of Sulphur
 Reacts With Many Metals To Produce Highly Flammable Hydrogen Gas
 Conditions To Avoid: Sources Of Ignition
 Materials To Avoid: Alkali, Oxidising & Reducing Materials, Powdered Metals, Metallic Oxides And Carbonates
 The Dilution of This Product With Water Is Very Exothermic. ALWAYS ADD PRODUCT TO WATER Cautiously With Agitation

11 - Toxicological Information

Routes Of Exposure: Inhalation, Skin And Eye Absorption, Ingestion
 Health Effects: Corrosive To Eyes Causing Severe Burns
 Health Effects: Corrosive To Skin Causing Severe Burns
 Health Effects: Ingestion Causes Severe Irritation & Corrosion Of The Mouth, Throat & Digestive Tract
 Health Effects: Inhalation Of Vapour Causes Severe Irritation Of Respiratory System And Possible Lung Damage

Reference Number : 049
 Revision Date : 11/12/2003
 Revision Number : 5
 Material / Trade Name : DRAIN OPENER

12 - Ecological Information

Ecotoxicity: No Specific Data Available
 Do Not Release Into Surface Waters

13 - Disposal Considerations

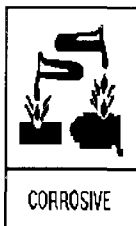
Do Not Discharge Into Drains & Watercourses - See Section 16**
 Dispose Of In Accordance With Local Authority Regulations
 Use Only Properly Licensed Contractors

14 - Transport Information

UN/SI Number: 1830
 IMO: 8, Corrosiv Packing Grp: II Marine Pollutant: NO
 IATA/ICAO: Packing Grp:
 ADR/RID: Item:
 Transport Name: Sulphuric Acid >51% acid
 Hazchem/Kemler Code:
 Hazard Identification Number 80

15 - Regulatory Information

a) Hazard Symbols:



C;R35

b) Risk & Safety:

R35 CAUSES SEVERE BURNS
 S2 Keep Out Of Reach Of Children
 S26 In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water
 S37 Wear Suitable Gloves
 S45 In Case Of Accident Or If Feeling Unwell Seek Medical Advice Immediately
 S30 Never Add Water To This Product

c) Other Regulations:

d) Transport Information:

UN/SI Number: 1830
 IMO: 8, Corrosiv Packing Grp: II Marine Pollutant: NO
 IATA/ICAO: Packing Grp:
 ADR/RID: Item:
 Transport Name: Sulphuric Acid >51% acid
 Hazchem/Kemler Code:
 Hazard Identification Number 80

16 - Other Information

**Except When Used As Directed/Intended
 Once Drain Opening Has Been Achieved, Flush To Waste With Large Volume Of
 Water - i.e Greatly Diluted