



SAFETY DATA SHEET WILLOWCHEM 71

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME WILLOWCHEM 71

SUPPLIER WILLOWCHEM TECHNOLOGY LIMITED
BALLYROE
BALLYHEA
CHARLEVILLE
CO. CORK
063 - 30874

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SULPHURIC ACID	231-639-5	7664-93-9	30-40%	C;R35.

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Keep the affected person warm and at rest. Get prompt medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water. Get medical attention immediately.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

Fire creates: Toxic gases/vapours/fumes of Sulphurous gases (SO_x).

PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and protective clothing (including fire-fighting helmet, coat, trousers, boots and gloves).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

In case of a major spillage, full protective equipment including a respirator or self-contained breathing apparatus must be worn.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers or water courses. If spillage does enter sewers or water courses, immediately inform appropriate authorities.

WILLOWCHEM 71S

SPILL CLEAN UP METHODS

DO NOT TOUCH SPILLED MATERIAL! Wear necessary protective equipment. Neutralise small amounts with sodium bicarbonate or lime and flush to sewer with large amounts of water. Large spills, dilute, then neutralise with caustic solution. Absorb in vermiculite, dry sand or earth and place into containers. Flush area with plenty of water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Eye wash facilities and emergency shower must be available when handling this product

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits OES - The HSE has issued a Chemical Hazard Alert Notice (CHAN 25) for sulphuric acid mist and has recommended that the present Occupational Exposure Standard of 1mg/m³ is too high and should be reduced to 0.3 mg/m³

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Use protective gloves made of: Rubber (natural, latex). Butyl rubber. Neoprene. Polyethylene. P.T.F.E (Teflon). or Polyethylene/Ethylene Vinyl Alcohol (PF/FVAI)

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
SOLUBILITY	Completely soluble in water		
RELATIVE DENSITY	1.23 16°C	pH-VALUE, DILUTED SOLUTION	~ 1 ~

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Reacts with alkalis and generates heat.

11 TOXICOLOGICAL INFORMATION

SKIN CONTACT

Liquid may irritate skin.

EYE CONTACT

May cause irritation to eyes.

WILLOWCHEM 71S

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Dangerous for the environment if discharged into watercourses.

LC 50, 96 Hrs, FISH mg/l	42
EC 50, 48 Hrs, DAPHNIA, mg/l	29

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Neutralise with soda ash/slaked lime and discharge to sewer with lots of water. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	SULPHURIC ACID with not more than 51% acid		
UN NO. ROAD	2796	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	HAZARD NO. (ADR)	80 Corrosive or slightly corrosive substance
ADR LABEL NO.	8	HAZCHEM CODE	2R
CEFIC TEC(R) NO.	10A		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS	SULPHURIC ACID	
RISK PHRASES	R35	Causes severe burns.
SAFETY PHRASES	S26	In case of contact with 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 label where possible)
	S24/25	Avoid contact with skin and eyes.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S60	This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION

REVISION DATE	13/03/07
REV. NO./REPL. SDS GENERATED	0
SDS NO.	2007/10838
RISK PHRASES IN FULL	
R35	Causes severe burns.

WILLOWCHEM 71S

DISCLAIMER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such