



Woodman Hill Ltd

SPECIALIST FILLERS AND PACKERS

SAFETY DATA SHEET

Spirits of Salt (Hydrochloric acid >25%)

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	Spirits of Salt (Hydrochloric acid >25%)
PRODUCT NO.	SOSAGEN, SOSA.50, SOSA005
SYNONYMS, TRADE NAMES	HYDROCHLORIC ACID SOLUTION
APPLICATION	Cleans drains blocked pipes, removes paint, oil and cement stains from concrete. Industrial cleaning and de-scaling agent, pH control (water treatment), animal glue production.
SUPPLIER	Woodman Hill Limited Chiltern Estate, Imperial Way Watford Hertfordshire WD24 4YX Tel. 01923 233977 Fax. 01923 235941

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
HYDROCHLORIC ACID ...%	231-595-7	7647-01-0	30-60%	C;R34 Xi;R37

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

3 HAZARDS IDENTIFICATION

Causes burns. Irritating to respiratory system.

CLASSIFICATION C;R34. Xi;R37.

PHYSICAL AND CHEMICAL HAZARDS

DO NOT MIX WITH OTHER CHEMICALS

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention.

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. 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.

SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

UNUSUAL FIRE & EXPLOSION HAZARDS

May evolve irritating and corrosive fumes of hydrogen chloride when heated.

SPECIFIC HAZARDS

Fire or high temperatures create: Hydrogen chloride (HCl).

PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus and full protective clothing.

Spirits of Salt (Hydrochloric acid >25%)**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Avoid breathing vapours. Wear suitable protective clothing as specified under section 8 of this safety data sheet - Exposure Controls and Personal Protection.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Keep in cool, dry, ventilated storage and closed containers.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**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 Occupational Exposure Limit

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Butyl rubber.

EYE PROTECTION

If risk of splashing, wear 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 contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Gel.		
COLOUR	Yellow		
ODOUR	Hydrochloric acid.		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	100 760 mm Hg	RELATIVE DENSITY	1.10 - 1.15
pH-VALUE, CONC. SOLUTION	<2		

10 STABILITY AND REACTIVITY**STABILITY**

Attacks most common metals liberating hydrogen, which can form explosive mixtures with air. Can react violently with oxidising agents liberating chlorine.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Reacts with alkalis and generates heat. Reacts strongly with alkaline metals and metal powder. Avoid contact with strong oxidisers.

Spirits of Salt (Hydrochloric acid >25%)

HAZARDOUS DECOMPOSITION PRODUCTS

High temperatures generate: Corrosive gases/vapours/fumes of: Hydrogen chloride (HCl).

11 TOXICOLOGICAL INFORMATION

INHALATION

Irritating to respiratory system. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

Causes burns. May cause burns in mucous membranes, throat, oesophagus and stomach. Swallowing concentrated chemical may cause severe internal injury. Repeated exposure to low levels may cause erosion of the teeth and ulceration of the nasal septum and gums.

SKIN CONTACT

Causes burns. May cause serious chemical burns of the skin.

EYE CONTACT

Vapour may cause eye irritation. Splashes in the eyes may cause chemical burns.

HEALTH WARNINGS

Avoid breathing the vapour. Avoid contact with skin and eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Toxic to aquatic organisms.

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

Neutralised slowly by natural alkalinity, ammonia and organic matter slowly reducing the damage caused by low pH.

ACUTE FISH TOXICITY

Fatal at 280 ppm in freshwater species.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8		
PROPER SHIPPING NAME	HYDROCHLORIC ACID		
UN NO. ROAD	1789	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2R
CEFIC TEC(R) NO.	80GC1-II+III	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	1789
IMDG CLASS	8	IMDG PAGE NO.	8
IMDG PACK GR.	II	EMS	F-A, S-B
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1789	ICAO CLASS	8
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING

Spirits of Salt (Hydrochloric acid >25%)

Corrosive

CONTAINS

HYDROCHLORIC ACID 32%

RISK PHRASES

R34 Causes burns.
R37 Irritating to respiratory system.

SAFETY PHRASES

S20 When using do not eat or drink.
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).
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of .. (to be specified by the manufacturer)
S56 Dispose of this material and its container to hazardous or special waste collection point.
S64 If swallowed, rinse mouth with water (only if the person is conscious).

16 OTHER INFORMATION

ISSUED BY

Chris Hayward

REVISION DATE

11-01-2006

REV. NO./REPL. SDS GENERATED 003

RISK PHRASES IN FULL

R34 Causes burns.
R37 Irritating to respiratory system.