



SAFETY DATA SHEET BIOPASS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	BIOPASS
APPLICATION	Stainless steel passivation and sanitising solution (biodegradable, non-hazardous product). In compliance with ASTM A967 Stainless Steel Passivation Specification & EN Biocide protocols.
SUPPLIER	WILLOWCHEM TECHNOLOGY LIMITED UNIT 6 & 7 HIRWAUN INDUSTRIAL ESTATE HIRWAUN MID GLAMORGAN SOUTH WALES CF44 9YE Telephone Number: 01685 812211
EMERGENCY TELEPHONE	24 hour Emergency Contact Number: 01685 812211 e-mail address of Competent Person: colinowen@willowchem.co.uk

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
HYDROGEN PEROXIDE SOLUTION ... %	231-765-0	7722-84-1	<5%	R5 O;R8 C;R35 Xn;R20/22
STABILISING AGENT			<0.01%	-

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

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

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 if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Get medical attention if irritation persists after washing.

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. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

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

Use eye protection such as goggles, impervious clothing and gloves

ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses.

BIOPASS**SPILL CLEAN UP METHODS**

Stop leak if possible without risk. 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

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
HYDROGEN PEROXIDE SOLUTION ... %	WEL	1 ppm	1.4 mg/m3	2 ppm	2.8 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

No particular ventilation requirements.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

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 wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid
COLOUR	Colourless
RELATIVE DENSITY	1.01 16
	pH-VALUE, CONC. SOLUTION 5

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid contact with oxidisers or reducing agents.

MATERIALS TO AVOID

Flammable/combustible material. Strong alkalis.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 4060 mg/kg (skn-rat)

HEALTH WARNINGS

This chemical may cause skin/eye irritation.

BIOPASS

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Eyes. Respiratory system, lungs. Skin.

MEDICAL SYMPTOMS

Extreme irritation of eyes and mucous membranes, including burning and tearing. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Severe skin irritation. Nausea, vomiting.

MEDICAL CONSIDERATIONS

Skin disorders and allergies.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Do not release into the environment.

LC 50, 96 Hrs, FISH mg/l 16.4-37.4

EC 50, 48 Hrs, DAPHNIA, mg/l 2.4

IC 50, 72 Hrs, ALGAE, mg/l 1.7

DEGRADABILITY

Product is readily biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground. Absorb in vermiculite or dry sand, dispose in licensed hazardous waste. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

ADR CLASS Not classified for transportation.

15 REGULATORY INFORMATION

RISK PHRASES NC Not classified.

SAFETY PHRASES P13 Safety data sheet available for professional user on request.

S24/25 Avoid contact with skin and eyes.

S37/39 Wear suitable gloves and eye/face protection.

16 OTHER INFORMATION

REVISION DATE 11/03/08

REV. NO./REPL. SDS GENERATED 0

SDS NO. 2008/10876

RISK PHRASES

R5 Heating may cause an explosion.

R8 Contact with combustible material may cause fire.

R35 Causes severe burns.

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

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