

SAFETY DATA SHEET

COMBIFIX XL 8054

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	COMBIFIX XL 8054
PRODUCT NO.	8054 (09 & 19)
APPLICATION	Damping system additive
SUPPLIER	STEHLIN HOSTAG INK UK LTD UNIT D4 LINKMEL CLOSE QUEENS DRIVE INDUSTRIAL ESTATE NOTTINGHAM NG2 1NA Tel : 0115 9860477 Fax : 0115 9862681

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
a mixture of: 5-chloro-2-methyl-2 H-is othiazol-one and 2-methyl-2-H- is othiazol-3one		55965-84-9	< 0.5%	T;R23/24/25 C;R34 R43 N;R50,R53
BRONOPOL (INN)	200-143-0	52-51-7	< 0.5%	Xn;R21/22 Xi;R37/38,R41 N;R50

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

COMPOSITION COMMENTS

Water-based formulation containing buffer, hydrophilizers, surfactants, antimicrobial agents, alcohols and additives.

3 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact.

CLASSIFICATION R43.

ENVIRONMENT

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest version.

4 FIRST-AID MEASURES

GENERAL INFORMATION

When symptoms persist or in all cases of doubt seek medical advice. Do not give victim anything to drink if they are unconscious. Place unconscious person on the side in the recovery position and ensure breathing can take place.

INHALATION

Move the exposed person to fresh air at once.

INGESTION

If accidentally swallowed obtain immediate medical attention. Keep at rest DO NOT INDUCE VOMITING!

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser Do NOT use solvents or thinners

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical advice.

5 FIRE-FIGHTING MEASURES

COMBIFIX XL 8054

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Dike and collect extinguishing water.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire will produce clouds of dense black smoke.

SPECIFIC HAZARDS

Exposure to hazardous decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Refer to protective measures listed in sections 7 and 8. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the National Rivers Authority or other appropriate regulatory body. Prevent entry into drains.

SPILL CLEAN UP METHODS

Dam and absorb spillages with sand, earth or other non-combustible material. Clean area with a detergent- avoid the use of solvents. Collect in containers which can be sealed for disposal according to local authority regulations

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid eating, drinking and smoking when using the product. Avoid contact with skin and eyes. Comply with health and safety at work laws.

STORAGE PRECAUTIONS

Containers which are open must be carefully resealed and kept upright to prevent leakage. Store in tightly closed original container in a cool, dry well-ventilated place. Keep away from sources of heat and direct sunlight. Store in accordance with national regulations concerning water pollution. Protect from frost

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
Propylenglycol	OES	150 (total) ppm	474 (total) 10 (particulates) mg/m3		
Glycerol	OES		10 mg/m3		

INGREDIENT COMMENTS

Propylenglycol = 2.5 - 5 %, Glycerol = 2.5 - 5 %. OES = Occupational Exposure Standard.

ENGINEERING MEASURES

Provide adequate ventilation.

RESPIRATORY EQUIPMENT

If the occupational exposure limits can't be met, in exceptional cases suitable respiratory protection should be worn only for a short period of time.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Barrier creams may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred. The glove material has to be impermeable and resistant to the product. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

SKIN PROTECTION

All parts of the skin should be washed after contact. Work clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid

COMBIFIX XL 8054

COLOUR	pale green		
ODOUR	Characteristic		
SOLUBILITY	Miscible with water.		
RELATIVE DENSITY	1.007 - 1.040 @20c	VOLATILE BY VOL. (%)	<0.5
pH-VALUE, CONC. SOLUTION	3.5 - 5.5	FLASH POINT (°C)	>100

10 STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions (see section 7)

MATERIALS TO AVOID

Keep well away from oxidising agents and strongly alkaline or strongly acidic materials in order to avoid exothermic reactions.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

The preparation is classified according to the conventional method (calculation method of the EC-directive 1999/45/EC)

SKIN CONTACT

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in skin dryness. May also result in non-allergic contact dermatitis. May be absorbed through the skin.

EYE CONTACT

Eye splashes may cause irritation and reversible damage

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product should not be allowed to enter drains , water courses or soil

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as special waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Do not empty into drains.

WASTE CLASS

14 06 03 other solvents and solvent mixtures

14 TRANSPORT INFORMATION

GENERAL	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
MARINE POLLUTANT	No.

15 REGULATORY INFORMATION

LABELLING



Irritant

CONTAINS

a mixture of: 5-chloro-2-methyl-2 H -is othiazol-one and 2-methyl-2-H- is othiazol-3one

RISK PHRASES

R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S24 Avoid contact with skin.

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S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.

16 OTHER INFORMATION

REVISION COMMENTS

Re-issued due to changes in most sections

ISSUED BY

Paul R Hayden

REVISION DATE 01/03/05

SDS NO. 8/004

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R21/22	Harmful in contact with skin and if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 information for his own particular use.