



SAFETY DATA SHEET BELCLENE 283

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	BELCLENE 283
CHEMICAL NAME	Maleic acid terpolymer
APPLICATION	Scale inhibitor
SUPPLIER	BWA Water Additives UK Ltd Tenax Road, Trafford Park, Manchester M17 1WT United Kingdom +44 (0)161 875 3875 +44 (0)161 875 3175
EMERGENCY TELEPHONE	+44 (0)161 848 9797

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
MALEIC ACID TERPOLYMER		113221-69-5	30-60%	Xi;R36/38.

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

CAS-NO. 113221-69-5

3 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

4 FIRST-AID MEASURES

INHALATION

Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position.

Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING!

Rinse mouth thoroughly.

Get medical attention.

SKIN CONTACT

Immediately remove contaminated clothing.

Rinse immediately with plenty of water.

Continue to rinse for at least 15 minutes.

Get medical attention if irritation persists after washing.

EYE CONTACT

Rinse the eye with water immediately.

Continue to rinse for at least 15 minutes.

Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Water spray, fog or mist. Foam, carbon dioxide or dry powder.

6 ACCIDENTAL RELEASE MEASURES

BELCLENE 283

SPILL CLEAN UP METHODS

Should be prevented from entering drains.

Absorb in vermiculite, dry sand or earth and place into containers.

Collect and reclaim or dispose in sealed containers in licensed waste.

Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store separated from: Alkalies. Cyanides. Reducing Agents. Do NOT use container made of: Carbon steel. Keep containers tightly closed. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store at moderate temperatures in dry, well ventilated area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

ENGINEERING MEASURES

No particular ventilation requirements.

RESPIRATORY EQUIPMENT

Respiratory protection not required.

HAND PROTECTION

Selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances.

It has been found that gloves made from rubber, neoprene or PVC provide short-term splash protection.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Amber		
ODOUR	Slight		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	100 - 102	MELTING POINT (°C)	<-5
RELATIVE DENSITY	1.165 - 1.185 @ 20 °c	VAPOUR PRESSURE	17.5 mmHg @ 20 °c
pH-VALUE, CONC. SOLUTION	<2	VISCOSITY	10 - 25 cSt @ 25 °c
PARTITION COEFFICIENT (N-Octanol/Water)	<0		

10 STABILITY AND REACTIVITY

CONDITIONS TO AVOID

Reacts with alkalis and generates heat. Avoid contact with strong reducing agents.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 3874 mg/kg (oral rat)

SKIN CONTACT

Irritating to skin.

Not a skin sensitiser.

BELCLENE 283**EYE CONTACT**

Irritating to eyes.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l >1000

IC 50, 72 Hrs, ALGAE, mg/l 380

DEGRADABILITY

Inherently biodegradable

WATER HAZARD CLASSIFICATION

1 Officially classified

Chemical Oxygen Demand, 548, 000 mg/l
CODAcute Toxicity. LC50 96 hours, 2160 Brown Shrimp
mg/l**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Absorb in vermiculite or dry sand, dispose in licensed special waste.

Liquid material should be incinerated. Material absorbed onto sand or earth should be disposed of as solid waste in accordance with local regulations. Empty packaging may contain product residues and due consideration should be given prior to disposal.

14 TRANSPORT INFORMATION

UK ROAD CLASS 8

PROPER SHIPPING NAME CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (contains maleic acid copolymer)

CLASSIFICATION CODE (ADR) C3

UN NO. ROAD UN3265

ADR CLASS NO. 8

ADR PACK GROUP III

HAZCHEM CODE 2X

IMDG CLASS 8

EMS F-A, S-B

UK ROAD PACK GR. III

ADR CLASS Class 8: Corrosive substances.

HAZARD NO. (ADR) 80 Corrosive or slightly corrosive substance.

UN NO. SEA UN3265

IMDG PACK GR. III

MARINE POLLUTANT No.

15 REGULATORY INFORMATION**LABELLING**

Irritant

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

BELCLENE 283**16 OTHER INFORMATION****REVISION COMMENTS**

New company name & new format

ISSUED BY

A.F.S

REVISION DATE 6/9/2006

REV. NO./REPL. SDS 1

GENERATED**SAFETY DATA SHEET STATUS**

Approved.

RISK PHRASES IN FULL

R36/38 Irritating to eyes and skin.

DISCLAIMER

For safety reasons it is IMPERATIVE that customers:-

1. Ensure that all those within their control who use the products are supplied with all relevant information contained within the Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions and warnings contained therein.

2. Consult BWA Water Additives before using or supplying the product for any other applications. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.