



MATERIAL SAFETY DATA SHEET

BELCLENE 201

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	BELCLENE 201
CHEMICAL NAME	Sodium Salt of Polymaleic acid.
PRODUCT NO.	100170
PRODUCT USE	Scale inhibitor
SUPPLIER	BWA Water Additives US LLC 1979 Lakeside Parkway Suite 925, Tucker. GA30084. T: (800) 600-4523 . (Technical/commercial enquiries) E: MSDS@wateradditives.com
EMERGENCY TELEPHONE	Chemtrec Phone: 1-800-424-9300

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause discomfort if swallowed. May cause stomach pain or vomiting.

SKIN CONTACT

Non Irritant

EYE CONTACT

Non irritant

HEALTH WARNINGS

No specific health warnings noted.

3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION COMMENTS

Aqueous solution of sodium salt of polymaleic acid

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 promptly if symptoms occur 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.

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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. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

SPECIFIC HAZARDS

Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. To prevent release, place container with damaged side up.

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 labeled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

HANDLING

Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

STORAGE

Do NOT use container made of: Carbon steel. Keep containers tightly closed. Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

RESPIRATORY EQUIPMENT

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

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.

SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid

BELCLENE 201

COLOR	Amber
ODOR	Slight odor
SOLUBILITY	Miscible with water.
BOILING POINT (°C)	100 - 102
MELTING POINT (°C)	<-5
RELATIVE DENSITY	1.26 - 1.30 @ 20 °C
pH-VALUE, CONC.	8-9
SOLUTION	
VISCOSITY	15 - 50 cSt @ 25 °C
PARTITION COEFFICIENT (N-Octanol/Water)	<0

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Strong alkalis.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 >5000 mg/kg (oral rat)

INHALATION

May cause irritation to the respiratory system.

INGESTION

May cause discomfort if swallowed. May cause stomach pain or vomiting.

SKIN CONTACT

Non Irritant

EYE CONTACT

Non irritant

HEALTH WARNINGS

No specific health warnings noted.

12 ECOLOGICAL INFORMATION

LC 50, 96 hrs, Fish mg/l >2500

EC 50, 48 hrs, Daphnia, mg/l >1000

DEGRADABILITY

Not inherently biodegradable

13 DISPOSAL CONSIDERATIONS**WASTE MANAGEMENT**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS

Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

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

TRANSPORT NOTES Not regulated.

BELCLENE 201

ROAD TRANSPORT NOTES	Not Classified
RAIL TRANSPORT NOTES	Not Classified
SEA TRANSPORT NOTES	Not Classified
AIR TRANSPORT NOTES	Not Classified
DOT HAZARD CLASS	No classification noted.
U.S DOT HAZARD LABEL	No DOT label requirement noted
MARINE POLLUTANT	No.

15 REGULATORY INFORMATION**INVENTORIES**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
POLYMALEIC ACID SODIUM SALT	DSL	Yes.	EINECS	Yes.	Yes.	Yes.	Yes.	Yes.

COMPONENT	TSCA 12(b) Export Notification
POLYMALEIC ACID SODIUM SALT	N/A.

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPC	CERCLA-RQ	SARA 313
POLYMALEIC ACID SODIUM SALT	No	No	No.

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
POLYMALEIC ACID SODIUM SALT	No

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
POLYMALEIC ACID SODIUM SALT		No	No	No	No	No	No	No

REGULATORY STATUS (US)

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required. TSCA: The ingredients of this product are on the TSCA Inventory.

REGULATORY REFERENCES

29 CFR 1910.1010 Federal Regulations (OSHA Standard).

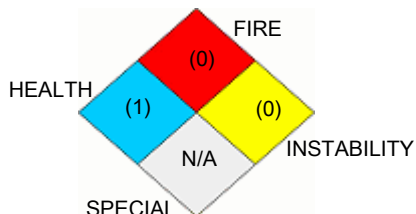
WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHIMIS**LABEL(S) FOR SUPPLY**

Not Classified
According to
WHMIS.

16 OTHER INFORMATION**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

BELCLENE 201

HEALTH	1
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**GENERAL INFORMATION**

For advice on chemical emergencies, spillages, fires or first aid in relation to this product please contact the relevant emergency number below :

EU/English Speakers - +44 (0) 1235 239 670 (NCEC)

Arabic Speakers - +44 (0) 1235 239 671

Asia/Pacific countries - +65 3158 1074

For emergencies within China - +86 10 5100 3039

REVISION COMMENTS

Updated MSDS, no substantial changes.

ISSUED BY

J.B.

REVISION DATE 14/01/2011

VERSION No. 3

SDS NO. 10783

SAFETY DATA SHEET STATUS

Approved.

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.