



MATERIAL SAFETY DATA SHEET

BELCOR 585

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME BELCOR 585
CHEMICAL NAME Mixture of Derivatives of Acrylic Acid copolymer and Phosphonic Acid
PRODUCT NO. 100867, 100874, 100875, 100881
PRODUCT USE Scale/Deposit Control Industrial Use Only
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
IDENTIFICATION No. 3265

2 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION

No specific health warnings noted.

INGESTION

Harmful if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

SKIN CONTACT

May cause sensitization by skin contact.

Causes burns.

EYE CONTACT

Risk of serious damage to eyes.

HEALTH WARNINGS

This chemical may cause skin/eye irritation and burns (corrosive).

ROUTE OF ENTRY

Skin and/or eye contact. Ingestion. Inhalation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
Phosphonic acid derivative			30-60%

COMPOSITION COMMENTS

Mixture of Derivatives of Acrylic Acid copolymer and Phosphonic Acid

* The specific identity of the component(s) of this product is withheld as a trade secret.

HMIRC Exemption registration number 7695. Granted July 27, 2011.

4 FIRST-AID MEASURES

INHALATION

Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

BELCOR 585

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention. Rinse mouth thoroughly.

SKIN CONTACT

Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 30 minutes. Get medical attention if irritation persists after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Immediately flush with plenty of water for at least 30 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Water spray, foam, dry powder or carbon dioxide.

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

This material will not burn until the water has evaporated. Residue can burn.

SPECIFIC HAZARDS

The product is non-combustible. If heated, irritating vapors may be formed.

PROTECTIVE MEASURES IN FIRE

Leave danger zone immediately. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

FLAMMABILITY CLASS

No Uniform Fire Code noted.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this material safety data sheet. Follow precautions for safe handling described in this material safety data sheet. Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities. 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 labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

HANDLING

Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Avoid contact with skin and eyes. Observe good chemical hygiene practices. Remove contaminated clothing and wash before reuse.

STORAGE

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

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

BELCOR 585

PROCESS CONDITIONS

Provide eyewash, quick drench.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

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.

Gloves should be replaced immediately if signs of degradation are observed.

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

EYE PROTECTION

Wear approved safety goggles.

Use face shield in case of splash risk.

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 contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOR	Dark Amber
ODOR	Slight odor, acidic
SOLUBILITY	Miscible with water
RELATIVE DENSITY	1.29-1.37 20°C
pH-VALUE, CONC.	<2
SOLUTION	

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Reacts with alkalis and generates heat. Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong alkalis. Strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Toxicological information based on the individual components properties.

BELCOR 585

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HEALTH WARNINGS

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12 ECOLOGICAL INFORMATION

ECOTOXICITY

Component data has been used to calculate the ecotoxicity of the product.

LC 50, 96 Hrs, FISH mg/l >100

DEGRADABILITY

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



TDG SHIPPING NAME

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Contains mixture of Derivative of Acrylic Acid copolymer and Phosphonic Acid derivative)

ENVIRONMENTALLY HAZARDOUS

No.

SUBSTANCE/MARINE POLLUTANT

IDENTIFICATION No.

3265

DOT HAZARD CLASS

8

U.S DOT HAZARD LABEL

Corrosive

UN NO. SEA

3265

IMDG CLASS

8

IMDG PACK GR.

III

EMS

F-A, F-B

MARINE POLLUTANT

No.

UN NO. AIR

3265

AIR CLASS

8

BELCOR 585

AIR PACK GR. III
TDG CLASS 8

15 REGULATORY INFORMATION

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
Phosphonic acid derivative	DSL	Yes.	EINECS	Yes.	No.	Yes.	Yes.	Yes.

COMPONENT	TSCA 12(b) Export Notification
Phosphonic acid derivative	No.

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPC	CERCLA-RQ	SARA 313
Phosphonic acid derivative	No	No	No.

CLEAN AIR ACT

COMPONENT	CAA Accidental Release Prevention
Phosphonic acid derivative	No

US STATE REGULATIONS

COMPONENT	FDA ESSENTIAL CHEMICAL	FDA PRECURSOR
Phosphonic acid derivative	No.	No.

US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
Phosphonic acid derivative		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 -WHMIS

LABEL(S) FOR SUPPLY



Corrosive Material.



Materials Causing Other
Toxic Effects.

CONTROLLED PRODUCT CLASSIFICATION

Canadian WHMIS Classification E D2B

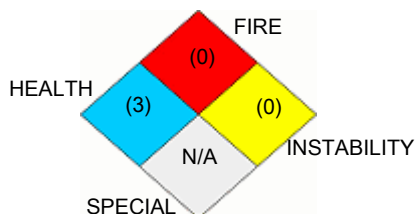
16 OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

BELCOR 585

HEALTH	3
FLAMMABILITY	0
PHYSICAL	0
PERSONAL PROTECTION	C

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

Revised Proper Shipping name.

ISSUED BY

J.B.

REVISION DATE 17/02/2011

VERSION No. 3

SDS NO. 11212

MATERIAL 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.