

COMMISSION REGULATION (EU) No 2015/830 of 1 June 2015 amending Annex II of Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

Trade name: MB-111

Registration number

The product is a polymer so its monomers have been pre-registered or registered.

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture

Water treatment

Industrial water demineralization, water softening

1.3 Details of the supplier of the safety data sheet

Supplier:

Erodex UK Ltd.

Tipper Industrial Estate,

Park Rd, Halesowen,

West Midlands, B63 2RH

+44 (0)1384 892011

1.4 Emergency telephone number:

Emergency telephone number: 0091 20 66128200, 0091 20 66128100,

Telephone number of EU importer: 0091 20 66128202; Fax: 0091 20 27120206

Opening hours: 24 hrs

Other comments(e.g. language(s) of the phone service): English

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation

Hazard pictograms



GHS07

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

Hazard description:

Hazard Summary:

Physical Hazard: Not classified for physical hazard

Health Hazard: Causes irritation to eyes

Environment Hazard: Not classified for hazard to environment

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.



vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Chemical characterisation: Mixtures

Description Mixture of substances listed below with non hazardous additions.

Components:

CAS: 69011-20-7	Styrene-divinylbenzene copolymer with sulphonic acid group in Hydrogen form	40 – 50 %
	 Eye Dam. 1, H318	
CAS: 69011-18-3	Styrene-divinylbenzene copolymer with Quaternary ammonium group in Hydroxide form	
	 Eye Dam. 1, H318	
CAS: 7732-18-5 EINECS: 231-791-2	Water, distilled, conductivity or of similar purity	50 – 60%

Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information:	Do not leave affected persons unattended.
After inhalation:	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
After skin contact:	If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.
After eye contact:	If irritation develops, seek medical advice. Flush immediately with plenty of water for at least 15 min. Contact doctor.
After swallowing:	Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed.

No further relevant information available.

Information for doctor: Treat symptomatically and supportively.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Carbon dioxide (CO₂)

In case of fire, the following can be released:

Nitrogen oxides (NO_x)

Hydrogen chloride (HCl)

5.3 Advice for fire fighters

Protective equipment:

Wear self contained breathing apparatus for fire fighting if necessary.

Wear fully protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid formation of dust.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Avoid generating dusty conditions.

Sweep or scoop up the spilled material into a container for disposal. Close the container tightly. Clean by water.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Prevent formation of aerosols.

Information about fire- and explosion protection:

Avoid contamination with oxidizing agents.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool, dry, well-ventilated area away from incompatible substances.

Information about storage in one common storage facility:

Store away from oxidising agents.

Further information about storage conditions:

Store in original containers. Store in cool enclosed place. Avoid repeated freeze-thaw cycles

Storage class: Classification according to operational safety Ordinance

7.3 Specific end use(s)

Kindly refer to section 1 of the SDS

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities:

Use adequate ventilation to keep airborne concentrations low.

8.1 Control parameters.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Respiratory protection:

No respiratory protection is needed but whenever necessary always use NIOSH or European standard EN 149 approved respiratory when necessary.

Protection of hands:



Protective gloves

Material of gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information basic physical and chemical properties

General Information

Appearance:

Form:	Solid
Colour:	According to product specification
Odour:	Odourless

pH-value:	0-14
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Change in condition

Melting point/Melting range: -

Boiling point/Boiling range:	Not applicable.
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Flash point:	Not applicable.
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Ignition temperature:	Not applicable.
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Decomposition temperature:	Not determined.
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Self-igniting:	Product is not self igniting.
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Danger of explosion:	Product does not present an explosion hazard.
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Vapour pressure:	Not applicable.
Density:	Not determined.
Solubility in / Miscibility with water:	Insoluble.
Partition coefficient (n-octanol/water):	Not applicable.
Viscosity:	Not applicable.
Dynamic:	55-56
9.2 Other information % Volatile	

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended storage condition as mentioned in section 7. Product can decompose at elevated temp. So avoid temp above 220 deg C.

10.2 Chemical stability

Stable at room temperature in closed containers under normal storage and handling conditions.

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Avoid formation of dust.

10.5 Incompatible materials

Incompatible with oxidizing materials.

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
LD/LC50 values relevant for classification:	No data available.

Primary irritant effect:

Skin corrosion/irritation	May cause mild skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The substance is not a reproductive toxin.

Mutagenicity:	The substance was found to be non-mutagenic as per Ames test. Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity:	Quantitative data on the ecological effect of this product are not available.
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12.2 Persistence and degradability	Not easily biodegradable
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12.3 Bioaccumulative potential	The substance is non-bioaccumulative.
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12.4 Mobility in soil	No further relevant information available.
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12.5 Results of PBT and vPvB assessment

PBT:	Not applicable.
vPvB:	Not applicable.

12.6 Other adverse effects	No further relevant information available.
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Consult state, local or national regulations to ensure proper disposal.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Unclean packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	Void.
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void.
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void.
14.4 Packing group ADR, IMDG, IATA	Void.
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Void.

SECTION 15: REGULATORY INFORMATION

15 .1 Safety, health and environmental regulations/ legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

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National regulations:

Other regulations, limitations and prohibitive regulations

User to follow national laws and regulations.

Substances of very high concern (SVHC) according to REACH, Article 57

The ingredients of preparation are not listed as SVHC.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H318 Causes serious eye damage

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2