

# SAFETY DATA SHEET

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures; Part I".

## MasterSeal M 689 medium grey PTA

Version 1.0      Revision Date: 16.12.2020      SDS Number: 000000780984      Date of last issue: -  
Date of first issue: 16.12.2020

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : MasterSeal M 689 medium grey PTA  
Product code : 000000000050487739

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

#### 1.3 Details of the supplier of the safety data sheet

Company : Master Builders Solutions  
Yapı Kimyasalları Sanayi ve Ticaret Ltd.  
Sti.,  
Ataşehir Kuzey, C Kapısı 3E/ 5-12  
34746 İstanbul, Turkey  
  
Telephone : +902162178800  
Telefax : +902162178800  
E-mail address of person responsible for the SDS : [mabas-eb@mbcc-group.com](mailto:mabas-eb@mbcc-group.com)

#### 1.4 Emergency telephone

Acil İlk Yardım Merkezi: 112 Ulusal Zehir Danışma Merkezi: 114 İtfaiye: 110

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification T.R. SEA No 28848

Skin corrosion/irritation, Category 1C  
Serious eye damage/eye irritation, Category 1  
Specific target organ toxicity - repeated exposure, Category 2  
Long-term (chronic) aquatic hazard, Category 2

H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.

H373: May cause damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labeling T.R. SEA No 28848

Hazard pictograms :



Signal Word : Danger

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Hazard Statements : H373 May cause damage to organs through prolonged or repeated exposure.  
H314 Causes severe skin burns and eye damage.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P273 Avoid release to the environment.  
P260 Do not breathe dust or mist.  
P264 Wash face, hands and any exposed skin thoroughly after handling.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/ doctor/  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P391 Collect spillage.  
**Storage:**  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/container to appropriate hazardous waste collection point.

### 2.3 Other hazards

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Amines additives

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)

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alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))	9046-10-0	Eye Dam.1; H318 Skin Corr.1C; H314 Aquatic Chronic2; H411	>= 75 - <= 100
diethylmethylbenzenediamine	68479-98-1 270-877-4 612-130-00-0	Acute Tox.4; H312 Acute Tox.4; H302 Eye Irrit.2; H319 STOT RE2; H373 Aquatic Acute1; H410 Aquatic Chronic1; H400 M-Factor (Acute aquatic toxicity): 1	>= 15 - < 20

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

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Take victim immediately to hospital.

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

Risks : Causes serious eye damage.  
May cause damage to organs through prolonged or repeated exposure.  
Causes severe burns.

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

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

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Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store protected against freezing.
- Advice on common storage : Observe VCI storage rules.
- Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

- Specific use(s) : For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.
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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Titanium dioxide	13463-67-7	MAC	15 mg/m3	MAK (TR)

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.
- Hand protection
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : Wear respiratory protection if ventilation is inadequate.  
Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).
- Protective measures : Do not inhale gases/vapours/aerosols.  
Avoid contact with the skin, eyes and clothing.  
Handle in accordance with good building materials hygiene and safety practice.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Color : light grey to dark grey
- Odor : characteristic
- pH : No data available
- Melting temperature : not determined
- boiling temperature : > 300 °C
- Flash point : 150 °C  
Method: Petroleum products and lubricants; Determination of flash point; Pensky-Martens closed cup method.
- Evaporation rate : not determined
- Flammability (solid, gas) : not flammable
- Vapor pressure : 10,000000 hPa (20,00 °C)  
Method: Vapour pressure
- Relative vapor density : not determined

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Density	:	1,020 g/cm <sup>3</sup> (20 °C) Method: Paints and varnishes - Determination of Density; Part 1: Pyknometer method
Solubility(ies)	:	
Water solubility	:	partly soluble
Partition coefficient: n-octanol/water	:	not determined
Autoignition temperature	:	not determined
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity	:	
Viscosity, dynamic	:	250 mPa.s (23 °C) Method: Viscometry; Measurement of the dynamic viscosity of Newtonian fluids with rotational viscometers;
Viscosity, kinematic	:	not determined
Explosive properties	:	Not explosive
Oxidizing properties	:	not fire-propagating The product has not been tested. The statement has been derived from the properties of the individual components.

### 9.2 Other information

Self-ignition	:	not self-igniting
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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	No decomposition if stored and applied as directed.
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### 10.4 Conditions to avoid

Conditions to avoid	:	See SDS section 7 - Handling and storage.
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### 10.5 Incompatible materials

Materials to avoid	:	Oxidizing agents strong alkalis Acids
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### 10.6 Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Skin corrosion/irritation

Causes severe burns.

#### Product:

Remarks : Extremely corrosive and destructive to tissue.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Product:

Remarks : May cause irreversible eye damage.

#### Respiratory or skin sensitization

##### Skin sensitization

Not classified based on available information.

##### Respiratory sensitization

Not classified based on available information.

##### Germ cell mutagenicity

Not classified based on available information.

##### Carcinogenicity

Not classified based on available information.

##### Reproductive toxicity

Not classified based on available information.

##### STOT-single exposure

Not classified based on available information.

##### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

##### Aspiration toxicity

Not classified based on available information.

#### Product:

No aspiration hazard expected.



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### Further information

#### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl)):**

Toxicity to fish : LC50 (Rainbow trout): > 15 mg/l  
Exposure time: 96 h  
Test Type: semistatic  
Analytical monitoring: yes  
Method: Fish, Acute Toxicity Test  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.  
Limit concentration test only (LIMIT test).

LC50 (marine minnow, sheepshead): 772,14 mg/l

Exposure time: 96 h

Test Type: static

Analytical monitoring: no

Method: Fish, Acute Toxicity Test

GLP: yes

Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 80 mg/l  
Exposure time: 48 h  
Test Type: static  
Analytical monitoring: yes  
Method: Daphnia sp., Acute Immobilisation Test.  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

EC50 (shrimp): 418,34 mg/l

Exposure time: 48 h

Test Type: static

Analytical monitoring: no

Method: Daphnia test acute

GLP: yes

Remarks: The details of the toxic effect relate to the nominal concentration.

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Toxicity to algae/aquatic plants : EC50 (green algae): 15 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static  
Analytical monitoring: yes  
Method: Algae, Growth Inhibition Test  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

No observed effect concentration (green algae): 0,32 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static  
Analytical monitoring: yes  
Method: Algae, Growth Inhibition Test  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

EC10 (green algae): 1,4 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static  
Method: Algae, Growth Inhibition Test  
Remarks: The details of the toxic effect relate to the nominal concentration.

No observed effect concentration (Skeletonema costatum):  
100 mg/l  
Exposure time: 72 h  
Test Type: static  
Analytical monitoring: no  
Method: Marine algal growth inhibition test with Skeletonema costatum and Phaeodactylum tricornutum.  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

EC50 (Skeletonema costatum): 141,72 mg/l  
Exposure time: 72 h  
Test Type: static  
Analytical monitoring: no  
Method: Marine algal growth inhibition test with Skeletonema costatum and Phaeodactylum tricornutum.  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to microorganisms : EC20 (activated sludge of a predominantly domestic sewage):  
380 mg/l  
Exposure time: 3 h

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Test Type: aerobic  
Analytical monitoring: no  
Method: Activated Sludge, Respiration Inhibition Test.  
GLP: yes  
Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to fish (Chronic toxicity) : Remarks: No data available regarding toxicity to fish.  
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available regarding toxicity to daphnids.

### **diethylmethylbenzenediamine:**

Toxicity to fish : LC50 (golden orfe): 194 mg/l  
Exposure time: 48 h  
Method: Fish test acute

LC50 (other): > 104 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna): 0,5 mg/l  
Exposure time: 48 h  
Method: Daphnia sp., Acute Immobilisation Test.

M-Factor (Acute aquatic toxicity) : 1

Toxicity to microorganisms : EC50 (bacterium): 170 mg/l  
Exposure time: 24 h  
Method: Test on inhibition of cell reproduction

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10: 54 mg/l  
Exposure time: 72 h  
Species: other

## 12.2 Persistence and degradability

### **Components:**

#### **alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl)):**

Biodegradability : Test Type: aerobic  
Inoculum: activated sludge, domestic  
Concentration: 17,6 mg/l  
Biodegradation: 0 %  
Related to: Test substance  
Exposure time: 28 d  
Method: Production of CO2  
GLP: yes

Stability in water : Test Type: Hydrolysis in water

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Degradation half life: > 1 a (25 °C)  
pH: 7  
Method: Abiotic degradation: hydrolysis as a function of pH.  
GLP: yes  
Remarks: In contact with water the substance will hydrolyse slowly.

Photodegradation : Sensitizer: OH radical  
Remarks: After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.

### **diethylmethylbenzenediamine:**

Biodegradability : Result: Not readily biodegradable (by OECD criteria).  
Biodegradation: < 1,0 %  
Exposure time: 28 d  
Method: Closed bottle test

## 12.3 Bioaccumulative potential

### Components:

#### **alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl)):**

Partition coefficient: n- : log Pow: > 6  
octanol/water

#### **diethylmethylbenzenediamine:**

Partition coefficient: n- : log Pow: 1,16 (25 °C)  
octanol/water

## 12.4 Mobility in soil

### Components:

#### **alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl)):**

Distribution among environ- : Volatility  
mental compartments : Medium: water - air  
Method: Calculation method  
Remarks: The substance will not evaporate into the atmosphere from the water surface.  
The data refer to the uncharged form of the substance.  
Under environmental conditions, the substance will almost completely be in its charged form.

## 12.5 Results of PBT and vPvB assessment

Not relevant

## 12.6 Other adverse effects

### Product:

Additional ecological infor- : An environmental hazard cannot be excluded in the event of

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mation unprofessional handling or disposal.  
Toxic to aquatic life.  
Toxic to aquatic life with long lasting effects.

### Components:

#### **alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl)):**

Adsorbed organic bound halogens (AOX) : Remarks: This product contains no organically-bound halogen.

#### **diethylmethylbenzenediamine:**

Additional ecological information : Do not allow to enter soil, waterways or waste water channels.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

## SECTION 14: Transport information

### 14.1 UN number

ADN : UN 2735  
ADR : UN 2735  
RID : UN 2735  
IMDG : UN 2735  
IATA : UN 2735

### 14.2 UN proper shipping name

ADN : AMINES, LIQUID, CORROSIVE, N.O.S.  
(POLYETHERDIAMINE,  
DIETHYLMETHYLBENZENEDIAMINE)

ADR : AMINES, LIQUID, CORROSIVE, N.O.S.  
(POLYETHERDIAMINE,  
DIETHYLMETHYLBENZENEDIAMINE)

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**RID** : AMINES, LIQUID, CORROSIVE, N.O.S.  
(POLYETHERDIAMINE,  
DIETHYLMETHYLBENZENEDIAMINE)

**IMDG** : AMINES, LIQUID, CORROSIVE, N.O.S.  
(POLYETHERDIAMINE,  
DIETHYLMETHYLBENZENEDIAMINE)

**IATA** : AMINES, LIQUID, CORROSIVE, N.O.S.  
(POLYETHERDIAMINE,  
DIETHYLMETHYLBENZENEDIAMINE)

### 14.3 Transport hazard class(es)

**ADN** : 8

**ADR** : 8

**RID** : 8

**IMDG** : 8

**IATA** : 8

### 14.4 Packing group

**ADN**  
Packing group : III  
Labels : 8

**ADR**  
Packing group : III  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

**RID**  
Packing group : III  
Hazard Identification Number : 80  
Labels : 8

**IMDG**  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 856  
Packing group : III  
Labels : Corrosive

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 852  
Packing group : III  
Labels : Corrosive

### 14.5 Environmental hazards

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### ADN

Environmentally hazardous : yes

### ADR

Environmentally hazardous : yes

### RID

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other regulations:

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

### 15.2 Chemical Safety Assessment

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## SECTION 16: Other information

### Full text of H-Statements

H302	: Harmful if swallowed.
H312	: Harmful in contact with skin.
H314	: Causes severe skin burns and eye damage.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Hazardous to the aquatic environment - chronic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage

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Eye Irrit.	:	Eye irritation
Skin Corr.	:	Skin corrosion
STOT RE	:	Specific target organ toxicity - repeated exposure
MAK (TR)	:	Maximum Allowable Concentration (Turkey)
MAK (TR) / MAC	:	Maximum allowable concentration:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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# SAFETY DATA SHEET

According to 13 December 2014, No:29204, "Ministry of Environment and Urbanization; Regulation on Safety data sheets regarding hazardous substances and mixtures; Part I".



## MasterSeal M 689 medium grey PTA

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