



SAFETY DATA SHEET
ACCORDING TO REGULATION EC N.1907/2006 (REACH),
REG. EC N.1272/2008 AND REG. EC N.453/2010

Printed on: 30.05.2018

1 Identification of the substance/mixture and of the company undertaking

Product identifier

Trade name: INTOCOL SS FLEX S1 grey

Product name: Premixed cementitious adhesive.

Chemical name: not applicable because it is multi-constituent substances of inorganic origin

Identified uses and uses advised against

Tiles for adhesive.

No use advised against

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MALVIN s.r.l.

ASI area S.S. 7 bis km 15,400

81030 – Gricignano D'Aversa (CE)

Tel. + 39 081 813 27 80 /+ 39 081 502 97 13

Fax + 39 081 502 97 48

www.malvinsrl.com

Email of the supplier of the safety data sheet:

ufficiotecnico@malvinsrl.com

Emergency telephone number

Emergency telephone number of the company:

MALVIN s.r.l.

ASI area S.S. 7 bis km 15,400

81030 – Gricignano D'Aversa (CE)

Tel. + 39 081 813 27 80 /+ 39 081 502 97 13

AVIABILITY: 8.00 – 12.30 // 13.30 – 17.00

Official reference body:

HOSPITAL "A. CARDARELLI"

Via Cardarelli, 9 - 80131 NAPOLI

Telephone: 081-7472870 081-5453333

AVIABILITY: H 24

2 Hazard identification

Classification of the substance or mixture

Classification according to (EC) n. 1272/2008







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GHS Classification:

Regulation Criteria EC 1272/2008 (CLP)

-  Attention, Skin Irrit. 2, Causes skin irritation.
-  Danger, Eye Dam. 1, Causes eye damages.
-  Attention, Skin Sens. 1, May cause an allergic skin reaction.
-  Attention, STOT SE 3, May cause respiratory irritation.

Classification according to directive 67/548/CEE and directive 1999/45/CE

The preparation is not classified dangerous in accordance with the directive 1999/45/EC, but it becomes irritating in the presence of water since this solution is strongly alkaline (high pH due to the formation of calcium hydroxide, sodium and potassium). In this solution there can be small quantity of chromium salts (VI) water-soluble that, after the addition with a reducing agent, is kept within the limits provided by DM 10/05/2004, to keep the mix stored correctly. (see. p.7) and put in place within 12 months from the date of manufacture, shown on all packaging or on the transport document (bulk product).

Signal word: **Xi**

Indication of danger: **Irritating**

Nature of special risks (R phrases):

R36: Irritating for eyes

R43: May cause sensitization by skin contact

Information concerning particular hazards for human and environment:

Prolonged or repeated skin contact, because of transpiration or of humidity, may cause irritation and/or dermatitis. Both the product and its mixtures, in case of prolonged skin contact, may cause awareness (because of the presence of traces of chromium salt VI); where necessary, this effect is depressed by the addition of a specific reducing agent.

In case of significant ingestion, the product may cause ulcerations to the digestive tract. In normal conditions the product and its mixtures do not present special risks for the environment, except the respect of recommendations reported to the following points 6, 8, 12 and 13. The product, when necessary, is additivated with a specific reducing agent to keep the soluble chromium VI content to concentrations lower to 0,0002 % (2 ppm) on the dry weight of the same product.

The product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation 1907/2006/EC).

Classification system:

The classification correspond to the current EC lists, it is extended, by information from technical literature and by information furnished by supplier companies.

Label elements



Labeling compliant with the directive 67/548/CEE or directive 1999/45/EC



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Hazard-determining components of labeling:

Grey Portland cement

Nature of special risks (R phrases):

R37/38: Irritating for skin and respiratory system.

R41: Risk of serious damage to eyes.

Precautionary statements (S phrases):

S2: Store out of the reach of children.

S22: Do not breathe dust.

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: Wear suitable protective clothing and gloves

S46: In case of ingestion seek medical advice immediately and show the label where possible.

Pictograms:



Hazards:

Hazard statements:

H315: Causes skin irritation.

H318: Causes eye damages.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash thoroughly... after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IN CASE OF SKIN CONTACT: flush with soap and water.

P304+P340: IN CASE OF INHALATION: remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: Specific treatment (see on this label).

P332+P313: : If skin irritation occurs: Get medical advice

P333+P313: If skin irritation or rash occurs: Get medical advice.

P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.

P403+P233: Keep container tightly closed and in a well-ventilated place.

P405: Store under lock and key.

P501: Dispose of contents and container in accordance with regulations.

Specific classification of certain preparations:



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Produces an alkaline reaction with water, so it's necessary to protect eyes and skin.

Contains:

CLINCHER OF PORTLAND CEMENT

Special provisions based on the Annex XVII of REACH and subsequent adjustments:

None

Other hazard

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical identity: Mixes

Description: Premixed mortars with cement type Portland

Dangerous substances:

Chemical characteristics: Mixes

Description: Mixture consisting of the following components with harmless additives.

Dangerous substances:

CAS: 65997-15-1
EC: 266-043-4

CLINCHER OF PORTLAND
CEMENT
Xi;R36 R43

Percentage: 10-13%

-  3.2/2 Skin Irrit. 2 H315
-  3.3/1 Eye Dam. 1 H318
-  3.4.2/1 Skin Sens. 1 H317
-  3.8/3 STOT SE 3 H335

4 First aid measures

Eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect unharmed eye.

Skin contact



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Remove contaminated clothes. Wash immediately with abundant water and soap the body parts that have come in contact with the product, even if only suspected. Wash the body completely (bath or shower). Remove contaminated clothing immediately.

Ingestion

Do not induce vomiting: SEEK MEDICAL ADVICE IMMEDIATELY

Inhalation

Remove to fresh air and keep at warm and at rest.

Most important symptoms and effects, both acute and delayed

Not expected

Indication of any immediate medical attention and special treatment needed

In case of accident, seek medical advice immediately (show directions for use or safety data sheet if possible). Treatment: None.

5 Firefighting measures

The product is not flammable so no substantial provision is expected for the fire protection.

6 Accidental release measures

Personal precautions: Avoid formation of dust.

Environmental protection measures: No special measures required.

Measures for cleaning/collecting: Collect mechanically, using adequate ppe.

7 Handling and storage

Handling:

Information for safe handling:

Do not use sweeping or compressed air. Use dry cleaning (as for example aspirators and vacuum extractor), that does not cause dust dispersion on air.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and container: Keep in closed containers.

Information for storing in one common facility: Keep away from acids, ammonium salts, aluminum and other metals non noble metals.

Further information about storage conditions:

Store in a dry place. Prevent dust dispersion. Keep receptacle tightly sealed. The total integrity of the package and the respect of the storage conditions are fundamental for the effectiveness of the reducing agent during the conservation period specified on the sack or on the transport document.

8 Exposure controls/personal protection.

Threshold Limit Value – Time-Weighted Average (TLV-TWA) applied on working environments of Association of Industrial American hygienists (ACGIH) for Portland cement is equal to 10 mg/m³ for the unbreathable fraction



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and 3 mg/m³ for the breathable fraction.

Personal protection measures

General protective and hygienic measures:

Do not eat, drink or smoke while you are working with the mix to avoid the skin contact or respiratory system
Keep away from foodstuffs, beverages and feed.

Take off contaminated clothing immediately.

Wash your hand, with a neutral soap or appropriate light detergent, before breaks and at the end of work.

Avoid contact with eyes and skin.

Respiratory protection:

Not necessary for the normal use.

In case of dust over the exposure limits, during refilling, use adequate protections to the respiratory tract, commensurate to the dust level and conform to the relevant standard EN (facial filter certified in accordance with UNI EN 149 or dust mask certified in accordance with UNI EN 140).

Hand protection:

Use protective gloves that ensure a total protection, for example in PVC, neoprene or rubber. Is recommended neoprene (0,5 mm). Not recommended gloves: not waterproof gloves.

Eye protection:

Safety goggles with side protection.

Skin protection:

Wear clothes that ensure a total protection for skin, for example in cotton, rubber, PVC or viton. Safety boots or shoes, such as produced (including moisturizing creams) to ensure the maximal protection of the skin from the prolonged contact with the wet cement.

All the Personal Protective Equipment must follow the related EC standard (as EN 374 for gloves and EN 166 for goggles), kept efficient and stored appropriately.

The duration of use of devices for protection against chemical agents depends on several factors (type of use, climatic conditions and method of preservation), which can considerably reduce the time required by the EC standards of usability. Always consult the supplier of the protection equipment.

To instruct personnel on the use of the supplied equipment.

Check the concentration of substances with exposure limits assigned, on the workplace in accordance with the time and mode limits set out by local dispositions.

9 Physical and chemical properties

General indications

Appearance and color: grey powder

Odor: cement

Change of state

Melting Point/Melting range: > 700 °C

Boiling point/range: not applicable

Self-inflammability: not applicable

Auto ignition: Product not self igniting

Explosion hazard: The product is not explosive

Apparent density at 20°C: 1000 - 1900 kg/m³

Solubility: dispersible in water



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Values of pH at 20°C: ca. 11 – 13 in aqueous solution

10 Stability and reactivity

Stability:

The total integrity of the package and the respect of the storage conditions are fundamental for the effectiveness of the reducing agent during the conservation period specified on the sack or on the transport document.

Conditions to avoid:

Avoid high temperatures, and storage in damp and/or ventilated environments.

Incompatible materials:

Reacts with acids, ammonium salts, aluminum or other non noble metals provoking violent reactions.

11 Toxicological informations

Information on toxicological effects:

Are not available toxicological data of the product because isn't toxic.

Tests on the substances contained on the product show that, with a proper handling and the respect of the usual hygienic measures, the product can be used without endangering human health.

On skin: Into contact with moist skin can cause irritations, repeated contacts can cause dermatosis or eczemas. Moreover the prolonged contact together with existing abrasions can cause severe burns.

On eyes: Direct contact causes eyelids and cornea irritations and damages to the eye balls.

Inhalation: May cause irritation of the mucous membranes and respiratory tract.

12 Ecological informations

Further informations:

There is no evidence of toxicity during the sedimentary phase.

The addition of large quantity of product to water can, however, cause an increase in the pH level and can be toxic for aquatic life under certain circumstances.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

Waste code:

Recover if possible. Operate according to local and national dispositions in force.

Where applicable, refer to the following regulatory provisions: 91/156/CEE, 91/689/CEE, 94/62/CE and following adjustments.

Disposal hardened product

(CER code): 170101

Disposal not hardened product

(CER code):17.01.01

Disposal empty paper packaging

(CER code):15.01.01

Disposal empty plastic packaging

(CER code):15.01.02



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The European code of the refusal here suggested is based on the composition of the product. According to the specific field of use can be necessary to give to the refusal a different code.

Uncleaned packaging :

Advices:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14 Transport informations

The preparation does not fall within any hazard class for the transport of dangerous goods and is therefore not subject to the relevant modal regulations: IMDG (by sea), ADR (by road), RID (by rail), IACO/IATA (by air). During transport, avoid wind dispersion by using closed containers.

15 Regulatory informations

Specific safety, health and environment regulations/legislation regarding the product:

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances)
D.Lgs 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous preparation)
D.Lgs. 2/2/2002 n. 25 (Risks related to chemical agents at work)
D.M. Employment 26/02/2004 (Occupational exposure limits)
D.M. 03/04/2007 (Implementation of Directive n. 2006/8/CE)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (CE) n. 790/2009 (ATP 1 CLP)
Regulation (UE) n. 453/2010 (Annex I)
Regulation (UE) n. 286/2011 (ATP 2 CLP)
Restrictions relating to the product or contained substances pursuant to Annex XVII to (EC) 1907/2006 (REACH) regulation and subsequent adjustments:
None
CMR volatile substances= 0.00 %
Halogenated volatile substances with R40= 0.00 %
Organic carbon - C = 0.00
Where applicable, refer to the following regulatory provisions:
Ministerial circulars 46 and 61 (Aromatic amines).
D.Lgs. 21 September 2005 n. 238 (Directive Seveso Ter)
Regulation EC n. 648/2004 (Detergents).
D.L. 3/4/2006 n. 152 Environmental regulations

16 Other informations

Text of phrases referred to under heading 3:

R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.

H315: Causes skin irritation.
H318: Can cause serious damage to eyes.



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H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

These information are based on the best our knowledge at the indicated date and relates. Data were taken from the supplier of the single raw materials insert into our preparations. The Company shall accept no liability for damage to people or things that may result from improper use of informations presented in this document. Data sheet is an addition to not a substitute for rules and texts that regulates the activity of the user. Users have to make sure that these informations are appropriate and complete with the respect to the specific use intended.

Data sheet compliant with the dispositions of following regulatory: D.M. 4 April 1997 "Execution of art.25 comm.1 and 2, of D.Lgs 3 february1997 n.52, concerning the classification, packaging and labeling of dangerous substances about the safety data sheet.

D.M. 07.09.2002. DD.L. 52/97; 285/98 and 65/2003.

Department issuing MSDS: QSU

Contact:

Quality Assurance Manager Vittorioso Antonio

This sheet cancels and replaces any preceding release

MALVIN



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ACCORDING TO REGULATION EC N.1907/2006 (REACH),
REG. EC N.1272/2008 AND REG. EC N.453/2010

Printed on: 30.05.2018

PRODUCT LABEL:

INTOCOL SS FLEX S1 grey

Contains:

Grey Portland cement

Hazard statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Can cause serious damage to eyes.
H335	May cause respiratory irritation.

Precautionary statements:

P261	Avoid breathing dust.
P264	After use, wash hands and face.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear suitable protective clothing and gloves/Protect eyes/face.
P302 + P352	IN CASE OF SKIN CONTACT: flush with soap and water.
P304+P340	IN CASE OF INHALATION: remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Call immediately a POISON CENTER or a doctor.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P403+P233	Keep container tightly closed and in a well-ventilated place.
P405	Keep locked up.
P501	Dispose of contents/container to landfill.



Danger

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Printed on: 30.05.2018

1 Identification of the substance/mixture and of the company undertaking

Product identifier

Trade name: INTOCOL SS FLEX S1 white

Product name: Premixed cementitious adhesive.

Chemical name: not applicable because it is multi-constituent substances of inorganic origin

Identified uses and uses advised against

Tiles for adhesive.

No use advised against

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MALVIN s.r.l.

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Emergency telephone number

Emergency telephone number of the company:

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Official reference body:

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AVIABILITY: H 24

2 Hazard identification

Classification of the substance or mixture

Classification according to (EC) n. 1272/2008





GHS Classification:



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Regulation Criteria EC 1272/2008 (CLP)

-  Attention, Skin Irrit. 2, Causes skin irritation.
-  Danger, Eye Dam. 1, Causes eye damages.
-  Attention, Skin Sens. 1, May cause an allergic skin reaction.
-  Attention, STOT SE 3, May cause respiratory irritation.

Classification according to directive 67/548/CEE and directive 1999/45/CE

The preparation is not classified dangerous in accordance with the directive 1999/45/EC, but it becomes irritating in the presence of water since this solution is strongly alkaline (high pH due to the formation of calcium hydroxide, sodium and potassium). In this solution there can be small quantity of chromium salts (VI) water-soluble that, after the addition with a reducing agent, is kept within the limits provided by DM 10/05/2004, to keep the mix stored correctly. (see. p.7) and put in place within 12 months from the date of manufacture, shown on all packaging or on the transport document (bulk product).

Signal word: **Xi**

Indication of danger: **Irritating**

Nature of special risks (R phrases):

R36: Irritating for eyes

R43: May cause sensitization by skin contact

Information concerning particular hazards for human and environment:

Prolonged or repeated skin contact, because of transpiration or of humidity, may cause irritation and/or dermatitis. Both the product and its mixtures, in case of prolonged skin contact, may cause awareness (because of the presence of traces of chromium salt VI); where necessary, this effect is depressed by the addition of a specific reducing agent.

In case of significant ingestion, the product may cause ulcerations to the digestive tract. In normal conditions the product and its mixtures do not present special risks for the environment, except the respect of recommendations reported to the following points 6, 8, 12 and 13. The product, when necessary, is additivated with a specific reducing agent to keep the soluble chromium VI content to concentrations lower to 0,0002 % (2 ppm) on the dry total weight of the same product.

The product does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH (Regulation 1907/2006/EC).

Classification system:

The classification correspond to the current EC lists, it is extended, by information from technical literature and by information furnished by supplier companies.

Label elements



Labeling compliant with the directive 67/548/CEE or directive 1999/45/EC



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Hazard-determining components of labeling:

White Portland cement

Nature of special risks (R phrases):

R37/38: Irritating for skin and respiratory system.

R41: Risk of serious damage to eyes.

Precautionary statements (S phrases):

S2: Store out of the reach of children.

S22: Do not breathe dust.

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: Wear suitable protective clothing and gloves

S46: In case of ingestion seek medical advice immediately and show the label where possible.

Pictograms:



Hazards:

Hazard statements:

H315: Causes skin irritation.

H318: Causes eye damages.

H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash thoroughly... after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IN CASE OF SKIN CONTACT: flush with soap and water.

P304+P340: IN CASE OF INHALATION: remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P321: Specific treatment (see on this label).

P332+P313: : If skin irritation occurs: Get medical advice

P333+P313: If skin irritation or rash occurs: Get medical advice.

P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.

P403+P233: Keep container tightly closed and in a well-ventilated place.

P405: Store under lock and key.

P501: Dispose of contents and container in accordance with regulations.



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Specific classification of certain preparations:

Produces an alkaline reaction with water, so it's necessary to protect eyes and skin.

Contains:

CLINCHER OF PORTLAND CEMENT

Special provisions based on the Annex XVII of REACH and subsequent adjustments:

None

Other hazard

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical identity: Mixes

Description: Premixed mortars with cement type Portland

Dangerous substances:

Chemical characteristics: Mixes

Description: Mixture consisting of the following components with harmless additives.

Dangerous substances:

CAS: 65997-15-1

EC: 266-043-4

CLINCHER OF PORTLAND
CEMENT
Xi;R36 R43

Percentage: 10% - 13%

-  3.2/2 Skin Irrit. 2 H315
-  3.3/1 Eye Dam. 1 H318
-  3.4.2/1 Skin Sens. 1 H317
-  3.8/3 STOT SE 3 H335

4 First aid measures

Eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect unharmed eye.

Skin contact



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Remove contaminated clothes. Wash immediately with abundant water and soap the body parts that have come in contact with the product, even if only suspected. Wash the body completely (bath or shower). Remove contaminated clothing immediately.

Ingestion

Do not induce vomiting: SEEK MEDICAL ADVICE IMMEDIATELY

Inhalation

Remove to fresh air and keep at warm and at rest.

Most important symptoms and effects, both acute and delayed

Not expected

Indication of any immediate medical attention and special treatment needed

In case of accident, seek medical advice immediately (show directions for use or safety data sheet if possible). Treatment: None.

5 Firefighting measures

The product is not flammable so no substantial provision is expected for the fire protection.

6 Accidental release measures

Personal precautions: Avoid formation of dust.

Environmental protection measures: No special measures required.

Measures for cleaning/collecting: Collect mechanically, using adequate ppe.

7 Handling and storage

Handling:

Information for safe handling:

Do not use sweeping or compressed air. Use dry cleaning (as for example aspirators and vacuum extractor), that does not cause dust dispersion on air.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and container: Keep in closed containers.

Information for storing in one common facility: Keep away from acids, ammonium salts, aluminum and other metals non noble metals.

Further information about storage conditions:

Store in a dry place. Prevent dust dispersion. Keep receptacle tightly sealed. The total integrity of the package and the respect of the storage conditions are fundamental for the effectiveness of the reducing agent during the conservation period specified on the sack or on the transport document.

8 Exposure controls/personal protection.

Threshold Limit Value – Time-Weighted Average (TLV-TWA) applied on working environments of Association of Industrial American hygienists (ACGIH) for Portland cement is equal to 10 mg/m³ for the unbreathable fraction



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and 3 mg/m³ for the breathable fraction.

Personal protection measures

General protective and hygienic measures:

Do not eat, drink or smoke while you are working with the mix to avoid the skin contact or respiratory system
Keep away from foodstuffs, beverages and feed.

Take off contaminated clothing immediately.

Wash your hand, with a neutral soap or appropriate light detergent, before breaks and at the end of work.

Avoid contact with eyes and skin.

Respiratory protection:

Not necessary for the normal use.

In case of dust over the exposure limits, during refilling, use adequate protections to the respiratory tract, commensurate to the dust level and conform to the relevant standard EN (facial filter certified in accordance with UNI EN 149 or dust mask certified in accordance with UNI EN 140).

Hand protection:

Use protective gloves that ensure a total protection, for example in PVC, neoprene or rubber. Is recommended neoprene (0,5 mm). Not recommended gloves: not waterproof gloves.

Eye protection:

Safety goggles with side protection.

Skin protection:

Wear clothes that ensure a total protection for skin, for example in cotton, rubber, PVC or viton. Safety boots or shoes, such as produced (including moisturizing creams) to ensure the maximal protection of the skin from the prolonged contact with the wet cement.

All the Personal Protective Equipment must follow the related EC standard (as EN 374 for gloves and EN 166 for goggles), kept efficient and stored appropriately.

The duration of use of devices for protection against chemical agents depends on several factors (type of use, climatic conditions and method of preservation), which can considerably reduce the time required by the EC standards of usability. Always consult the supplier of the protection equipment.

To instruct personnel on the use of the supplied equipment.

Check the concentration of substances with exposure limits assigned, on the workplace in accordance with the time and mode limits set out by local dispositions.

9 Physical and chemical properties

General indications

Appearance and color: white powder

Odor: cement

Change of state

Melting Point/Melting range: > 700 °C

Boiling point/range: not applicable

Self-inflammability: not applicable

Auto ignition: Product not self igniting

Explosion hazard: The product is not explosive

Apparent density at 20°C: 1000 - 1900 kg/m³

Solubility: dispersible in water



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Values of pH at 20°C: ca. 11 – 13 in aqueous solution

10 Stability and reactivity

Stability:

The total integrity of the package and the respect of the storage conditions are fundamental for the effectiveness of the reducing agent during the conservation period specified on the sack or on the transport document.

Conditions to avoid:

Avoid high temperatures, and storage in damp and/or ventilated environments.

Incompatible materials:

Reacts with acids, ammonium salts, aluminum or other non noble metals provoking violent reactions.

11 Toxicological informations

Information on toxicological effects:

Are not available toxicological data of the product because isn't toxic.

Tests on the substances contained on the product show that, with a proper handling and the respect of the usual hygienic measures, the product can be used without endangering human health.

On skin: Into contact with moist skin can cause irritations, repeated contacts can cause dermatosis or eczemas. Moreover the prolonged contact together with existing abrasions can cause severe burns.

On eyes: Direct contact causes eyelids and cornea irritations and damages to the eye balls.

Inhalation: May cause irritation of the mucous membranes and respiratory tract.

12 Ecological informations

Further informations:

There is no evidence of toxicity during the sedimentary phase.

The addition of large quantity of product to water can, however, cause an increase in the pH level and can be toxic for aquatic life under certain circumstances.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

Waste code:

Recover if possible. Operate according to local and national dispositions in force.

Where applicable, refer to the following regulatory provisions: 91/156/CEE, 91/689/CEE, 94/62/CE and following adjustments.

Disposal hardened product

(CER code): 170101

Disposal not hardened product

(CER code):17.01.01

Disposal empty paper packaging

(CER code):15.01.01

Disposal empty plastic packaging

(CER code):15.01.02



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The European code of the refusal here suggested is based on the composition of the product. According to the specific field of use can be necessary to give to the refusal a different code.

Uncleaned packaging :

Advices:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14 Transport informations

The preparation does not fall within any hazard class for the transport of dangerous goods and is therefore not subject to the relevant modal regulations: IMDG (by sea), ADR (by road), RID (by rail), IACO/IATA (by air). During transport, avoid wind dispersion by using closed containers.

15 Regulatory informations

Specific safety, health and environment regulations/legislation regarding the product:

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances)
D.Lgs 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous preparation)
D.Lgs. 2/2/2002 n. 25 (Risks related to chemical agents at work)
D.M. Employment 26/02/2004 (Occupational exposure limits)
D.M. 03/04/2007 (Implementation of Directive n. 2006/8/CE)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP)
Regulation (UE) n. 453/2010 (Annex I)
Regulation (UE) n. 286/2011 (ATP 2 CLP)
Restrictions relating to the product or contained substances pursuant to Annex XVII to (EC) 1907/2006 (REACH) regulation and subsequent adjustments:
None
CMR volatile substances = 0.00 %
Halogenated volatile substances with R40= 0.00 %
Organic carbon - C = 0.00
Where applicable, refer to the following regulatory provisions:
Ministerial circulars 46 and 61 (Aromatic amines).
D.Lgs. 21 September 2005 n. 238 (Directive Seveso Ter)
Regulation EC n. 648/2004 (Detergents).
D.L. 3/4/2006 n. 152 Environmental regulations

16 Other informations

Text of phrases referred to under heading 3:

R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.

H315: Causes skin irritation.
H318: Can cause serious damage to eyes.



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H317: May cause an allergic skin reaction.

H335: May cause respiratory irritation.

These information are based on the best our knowledge at the indicated date and relates. Data were taken from the supplier of the single raw materials insert into our preparations. The Company shall accept no liability for damage to people or things that may result from improper use of informations presented in this document. Data sheet is an addition to not a substitute for rules and texts that regulates the activity of the user. Users have to make sure that these informations are appropriate and complete with the respect to the specific use intended.

Data sheet compliant with the dispositions of following regulatory: D.M. 4 April 1997 "Execution of art.25 comm.1 and 2, of D.Lgs 3 february1997 n.52, concerning the classification, packaging and labeling of dangerous substances about the safety data sheet.

D.M. 07.09.2002. DD.L. 52/97; 285/98 and 65/2003.

Department issuing MSDS: QSU

Contact:

Quality Assurance Manager Vittorioso Antonio

This sheet cancels and replaces any preceding release

MALVIN

SAFETY DATA SHEET
ACCORDING TO REGULATION EC N.1907/2006 (REACH),
REG. EC N.1272/2008 AND REG EC N.453/2010

Printed on: 30.05.2018

PRODUCT LABEL:

INTOCOL SS FLEX S1 white

Contains:

White Portland cement

Hazard statements:

H315		Causes skin irritation.
H317		May cause an allergic skin reaction.
H318		Can cause serious damage to eyes.
H335		May cause respiratory irritation.

Precautionary statements:

P261		Avoid breathing dust.
P264		After use, wash hands and face.
P271		Use only outdoors or in a well-ventilated area.
P272		Contaminated work clothing should not be allowed out of the workplace
P280		Wear suitable protective clothing and gloves/Protect eyes/face.
P302 + P352		IN CASE OF SKIN CONTACT: flush with soap and water.
P304+P340		IN CASE OF INHALATION: remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338		IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310		Call immediately a POISON CENTER or a doctor.
P312		Call a POISON CENTER or doctor/physician if you feel unwell.
P321		Specific treatment (see ... on this label).
P332+P313		If skin irritation occurs: Get medical advice/attention..
P333 + P313		If skin irritation or rash occurs: Get medical advice.
P362		Take off contaminated clothing and wash before reuse.
P363		Wash contaminated clothing before reuse.
P403+P233		Keep container tightly closed and in a well-ventilated place.
P405		Keep locked up.
P501		Dispose of contents/container to landfill.



Danger

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