Safety Data Sheet
FORLASTIC COMP A

Safety Data Sheet dated 1/10/2012, version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Mixture identification:

Trade name: FORLASTIC COMP A

1.2. Relevant identified uses of the substance/mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Supplier:

FORKOLL - Strada Prov. 42 - Km 1 - Collepasso (LE)

Competent person responsible for the safety data sheet:

sicurezza@forkoll.it

1.4. Emergency telephone number

FORKOLL - Tel. +(39) 0833 595333 - (office hours)

Poison Centre - Ospedale di Niguarda - Milan - Tel. +39/02/66101029

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 1999/45/EC and following amendments thereof:

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

Xi Irritant

R Phrases:

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:

Xi Irritant

R Phrases:

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

S Phrases:

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.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Contents:

Portland cement, Cr(VI)< 2 ppm

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

See at paragraph 11 the additional information concerning crystalline silica

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances; N.A.

3.2. Mixtures; Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and corresponding classification:

50% - 60% free crystalline silica (Ø > 10 µ)
CAS: 14808-60-7 EC: 238-878-4

25% - 30% Portland cement, Cr(VI)< 2 ppm
CAS: 65997-15-1 EC: 266-043-4
Xi; R41-43-37/38
3.8/3 STOT SE 3 H335
3.2/2 Skin Irrit. 2 H315
3.3/1 Eye Dam. 1 H318
3.4.2/1 Skin Sens. 1 H317

0.25% - 0.49% free crystalline silica (Ø <10 µ)(*)
CAS: 14808-60-7 EC: 238-878-4
Xn; R48/20
3.9/2 STOT RE 2 H373

4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediatley and dispose off safely.

In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:
Wash the mouth thoroughly and drink plenty of water. In case of disease consult a physician immediately and present this safety-data sheet.

In case of Inhalation:
In case of inhalation, consult a doctor immediately and show him packing or label.

4.2. Most important symptoms and effects, both acute and delayed
If inhaled, the product causes irritation in the airways. and if brought into contact with the skin, it causes appreciable inflammation, with erythema, scabs, and oedema.
If brought into contact with the eyes, the product causes serious eye injury, such as opacity of the cornea or lesions to the iris.
If brought into contact with the skin, the product may cause sensitisation of the skin.

4.3. Indication of any immediate medical attention and special treatment needed
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment: (see paragraph 4.1)

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media:
None in particular.
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
The product does not present a fire hazard

5.3. Advice for fire-fighters
Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Rapidly recover the product, wearing protective clothing.
Scoop into containers and seal for disposal.
After the product has been recovered, rinse the area and materials involved with water.

6.4. Reference to other sections

See also section 8 and 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes and exposure to high dust concentration.
Avoid powder development and deposit
Use localized ventilation system.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recomened protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Always keep the containers tightly closed.
Incompatible materials:
Keep away from water or from damp surroundings.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

free crystalline silica (Ø > 10 µ) - Index: NA, CAS: 14808-60-7, EC No: 238-878-4
TLV TWA:: 0,025 mg/m³ (respirable fraction)
Portland cement, Cr(VI)< 2 ppm - Index: NA, CAS: 65997-15-1, EC No: 266-043-4
TLV TWA:: (polvere)10 mg/m³
free crystalline silica (Ø <10 µ)(*) - Index: NA, CAS: 14808-60-7, EC No: 238-878-4
TLV TWA:: 0,025 mg/m³ (respirable fraction)

8.2. Exposure controls

Eye protection: Safety goggles.
Protection for skin: Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands: Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. Neoprene gloves are suggested (0,5 mm) not recommended gloves: not waterproof gloves
Respiratory protection: Not needed for normal use.
A dust mask (P2) should be worn if above exposure limits
Personal Protective Equipment should comply with relevant CE standards (as EN 374 for gloves and EN 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.
Thermal Hazards: None
Environmental exposure controls: None

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: powder
Colour: grey
Odour: typical
Odour threshold: N.A.
pH: N.A.
pH(water dispersion,10%): 12-12.5
Melting point / freezing point: == ˚C
Initial boiling point and boiling range: == ˚C
Solid/gas flammability: N.A.
Upper/lower flammability or explosive limits: N.A.
Vapour density: N.A.
Flash point: == ˚C
Evaporation rate: N.A.
Vapour pressure: == kPa (23˚C)
Relative density: 1.4 g/cm³ (23˚C)
Vapour density (air=1): N.A.
Solubility in water: partly soluble
Lipid solubility: soluble
Viscosity: N.A.
Auto-ignition temperature: == ˚C
Explosion limits(by volume): ==
Decomposition temperature: N.A.
Partition coefficient (n-octanol/water): N.A.
Explosive properties: ==
Oxidizing properties: N.A.

9.2. Other information

Miscibility: N.A.
Fat Solubility: N.A.
Conductivity: N.A.
Substance Groups relevant properties N.A.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Route(s) of entry:
Ingestion: Yes
Inhalation: Yes
Contact: No
Toxicological information related to the product:
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

The product does not contain toxicologically relevant substances.

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Corrosive/Irritating Properties:

Skin:

The product can cause irritation by contact.

Eye:

The product can cause damage to eyes by contact

Sensitizing Properties:

Frequent and prolonged skin contacts with cement paste may cause dermatitis.

Cancerogenic Effects:

The IARC (International Agency for Research on Cancer) believes that the crystalline silica inhaled at the workplace can cause lung cancer in man.
However, it also points out that the cancer effect depends on the silica characteristics and on the biological-physical condition of the environment.
There is a large amount of information in support of the fact that increased risk of cancer is limited to persons suffering from silicosis.

In the current situation of studies, protection of workers from silicosis can be ensured by respecting the exposure limit values.

Mutagenic Effects:

No effects are known.

Teratogenic Effects:

No effects are known.

Additional Information:

Susceptibility to skin irritation and sensitization varies from person to person.
In a sensitized individual the allergic dermatitis may not appear until after several days or weeks of frequent and prolonged contact.
Therefore, even though the skin irritation potential is slight, skin contact should be avoided. Once sensitization has occurred, exposure of the skin to very small quantities of the material may cause erythema and edema.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Not available data on the mixture
Adopt good industrial practices, so that the product is not released into the environment.

12.2. Persistence and degradability

Biodegradability: no data available on the preparation.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

Not available data on the mixture

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.
91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

Disposal of hardened product (EC waste code) : 170101
Disposal of not hardened product (EC waste code) : 17 01 01
The suggested European waste code is just based on the composition of the product.
According to the specific process or application field a different waste code may be necessary.

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14. TRANSPORT INFORMATION

14.1. UN number
Not classified as dangerous in the meaning of transport regulations.
UN Number: ==

14.2. UN proper shipping name
N.A.

14.3. Transport hazard class(es)
Rail/Road(RID/ADR): no dangerous good
ADR-Upper number: NA
Air (ICAO/IATA): no dangerous good
Sea (IMO/IMDG): no dangerous good
N.A.

14.4. Packing Group
N.A.

14.5 Environmental hazards
Marine pollutant: No
N.A.

14.6. Special Precautions for User
Rail (RID): ==
N.A.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No

15. REGULATORY INFORMATION

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

REACH Regulation (1907/2006)

REACH Regulation (1907/2006) – All. XVII
The product contains Cr (VI) under the limitse established by annex. XVII pt.47. Respect the duration according to the information described on the packaging

REACH Regulatio n° 1907/2006 (REACH) – Art. 59 (Su bstances in “Candidate List”): N.A.
CLP Regulation n° 1272/2008 (CLP) and s.m.i.
Directive n° 1999/45/CE (Dangerous Preparation) an d s.m.i.
Directive n° 67/548/CEE (Substances) and s.m.i.

Directive 2000/39/CE and s.m.i. (Professional threshold limit)

Directive 105/2003/CE (Seveso III): N.A.
ADR Agreement – IMDG Code – IATA Regulation
Wassergefährdungsklasse:

VOC (2004/42/EC) : N.A. g/l

15.2. Chemical Safety Assessment
No

16. OTHER INFORMATION

Text of phrases referred to under heading 3:
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
H335 May cause respiratory irritation.
H315 Causes skin irritation.

H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances
ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX'S - Dangerous properties of industrial materials
Istituto Superiore di Sanità - Inventario Nazionale Sostanze Chimiche

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
This MSDS cancels and replaces any preceding release.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
CLP: Classification, Labeling, Packaging.
DNEL: Derived No Effect Level.
EINECS: European Inventory of Existing Commercial Chemical Substances.
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
PNEC: Predicted No Effect Concentration.
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
OEL: European threshold limit value
VLE: Threshold Limiting Value.
WGK: German Water Hazard Class.