

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

CALDE™ TROWEL HB 62 U

**1.1.1. Dates and
Modifier of the
Safety Data Sheet****Creation Date** 24/07/2008 (DD/MM/YY)**Modification Date:** 31/10/2011**Modifier** JP Targe**1.1.2. SDS (Safety Data Sheet) status:**

New

1.2. Relevant identifier uses of the substances or mixture and uses advised against:**1.2.1. Relevant identified uses:**Unshaped refractory material
Restricted to industrial or professional users for application as safety or wear linings and
maintenance of both in all industrial devices at temperatures > 1000°C.**1.2.2. Uses advised against:**

Non relevant

1.3. Details of the supplier of the safety data sheet:**1.3.1. Supplier:**

CALDERYS REACH Service

1.3.2. Street address:

4, allée de Lausanne – Bât. F

1.3.3. Country ID/Post code/Place:

F-38070 Saint Quentin Fallavier - France

1.3.4. Telephone number (and telefax):

Phone: +33 (0)4 74 99 99 40 - Fax: +33 (0)4 74 99 99 66

1.3.5. E-mail:

REACH@calderys.com

1.3.6. National contact's name:J-P.Targe - Tel +33 (0)4.74.99.99.40 - Fax 33 (0)4.74.99.99.66 : CALDERYS France - Research
Centre - 4 allée de Lausanne - F-38070 Saint Quentin Fallavier
jean-pierre.targe@calderys.com**1.4. Emergency telephone number:**UK: The UK National Poisons Emergency number is 0870 600 6266 - (Outside the UK: +44 870
600 6266)

See enclosed annex for other Emergency telephone

1.5. Opening hours:

Non relevant

SECTION 2: Hazards identification**2.1 Classification of the substance or the mixture:****2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Skin Irrit.2; H315 / Eye Dam.1; H318

2.1.2. Classification according to Directive 1999/45/EC [DPD]

Xi; R38, R41

2.1.3 Additional information:

For full text of H, EUH-phrases: see section 16.

For full text of R-phrases: see section 16.

2.2. Label elements:

2.2.1. Labelling according to directive 1999 45 EC [DPD]:

Xi; R38, R41 - S24, S36/37/39

2.2.2. Symbol(s) in black/white or colour according to directive 1999/45/EC [DPD]:



Xi; R38, R41

2.2.3. Indication(s) of danger:

Xi : Irritant

2.2.4. Risk phrase(s) R (For full text of R phrases: see section 16)

R38-R41

2.2.5. Safety phrase(s) S ; (For full text of S phrases: see section 16)

S24/25-S36/37/39

2.2.6. Applicable label elements in accordance with sections A and B of annex V to the DPD (special provisions for certain mixtures):

Non relevant

2.2.7. Authorization number(s) from ECHA:

Non relevant

2.2.8. Labelling according to the Regulation (EC) No 1272/2008 [CLP/GHS]:

For the future classification and labelling [CLP/GHS, 06/2015], according to the EC/453/2010 (3rd draft from ECHA), see the SECTION 16.

2.2.9. Applicable label elements in accordance with sections A and B of annex V to the DPD (special provisions for certain mixtures):

Non relevant

2.3. Other hazards:

No.

2.3.1. SVHC (Substance of Very High Concern):

No

2.3.2. CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

No

2.3.3. PBT : Persistent, Bioaccumulative and Toxic

No

2.3.4. vPvB: very Persistent very Bioaccumulative

No

2.3.5. POP : Persistent Organic Pollutant

No

2.3.6. Formation of air contaminants during hardening or processing:

No

2.3.7. Dust explosion hazard:

No

SECTION 3. Composition / Information on ingredients

3.2.1. Non hazardous components

Component	CAS N° / EC N°	Weight %
Bauxite calcined	CAS : 92797-42-7 Einecs : 296-578-9	>=25 <50

3.2.2. Hazardous components

Component	CAS N° / EC N°	Weight %
Silicic acid, sodium salt - Nr. REACH. 01-2119448725-31	CAS : 1344-09-8	>=25 <50
REACH: Xi ;R38-R41 --- CLP: Skin Irrit.2; H315 - Eye Dam.1; H318	Einecs : 215-687-4	

SECTION 4: First aid measures

4.1. Description of first aid measures

4.1.1. Eyes:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

4.1.2. Skin:

If skin irritation or rash occurs: Get medical advice/attention.

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

4.1.3. Ingestion:

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.1.4. Inhalation:

Non relevant

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

Stinging to eyes

Stinging to skin

Symptoms: Pain, redness and blurred vision.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

5.1.1. Suitable fire-fighting methods :

In case of fire use water based extinguishers or hosepipe.

5.1.2. Unsuitable extinguishing media:

Non relevant

5.2. Special hazards arising from the substance or mixture

Irritating to eyes and skin.

5.2.1. Hazardous decomposition products

None

5.3. Advice for firefighters

5.3.1. Personal precautions:

Personal precautions : see Section 8.

Personal precautions : wear alkali resistant clothing and gloves.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

6.1.1.1. Protective equipment:

Personal precautions : see Section 8.

Personal precautions : wear alkali resistant clothing.

6.1.1.2. Emergency procedures

Non relevant

6.1.2. For emergency responders

Personal precautions : wear alkali resistant clothing and gloves.

6.2. Environmental precautions

Prevent access to water table, running or stagnant water, or drains.

6.3. Methods and material for containment and cleaning up

6.3.1. Appropriate containment techniques may include any of the following:

6.3.1 - (a) bunding, covering of drains;

Non relevant

6.3.1 - (b) capping procedures.

Non relevant

6.3.2. Appropriate advices on how to clean-up a spill. Appropriate clean-up procedures may include any of the following:

- 6.3.2. - (a) neutralisation techniques;**
Neutralize spill with absorbent materials.
- 6.3.2. - (b) decontamination techniques;**
Non relevant
- 6.3.2. - (c) adsorbent materials;**
Sand, diatomite earth, saw dust, vermiculite.
- 6.3.2. - (d) cleaning techniques;**
To clean the floor and all objects contaminated by this material, wash immediately with plenty of warm water.
- 6.3.2. - (e) vacuuming techniques;**
Non relevant
- 6.3.2. - (f) equipment required for containment/clean-up (include the use of non-sparking tools and equipment where applicable).**
Non relevant
- 6.4. Reference to other sections**
- 6.4.1. References:**
Personal precautions : see Section 8.
Dump according to the definition in section 13.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling:**
- 7.1.1. Protective measures:**
- 7.1.1.- (a) Measures to prevent fire:**
Non relevant
- 7.1.1.- (b) Measures to prevent aerosol and dust generation:**
Non relevant
- 7.1.1.- (c) Measures to protect environment:**
Prevent access to water table, running or stagnant water, or drains.
- 7.1.2. Advice on general occupational hygiene:**
When using do not eat, drink or smoke.
- 7.2. Conditions for safe storage, including any incompatibilities:**
- 7.2.1. Technical measures and storage conditions:**
Keep only in the original container at a temperature not exceeding 40°C.
Stacking height: up to 2 pallets maximum.
- 7.2.2. Recommended packing:**
Plastic drums.
Wooden pallet with shrink film.
- 7.2.3. Requirements for storage rooms and vessels:**
Store away from direct source of heat to avoid product damage.
Avoid freezing conditions.
Store on alkali resistant floor.
- 7.2.4. Storage class (national):**
Non relevant
- 7.2.5. Further information on storage conditions:**
Do not transfer to light alloy metal, aluminium, zinc or tin coated steel.
Always keep in the original packaging.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Substance	CAS N° / EC N°	L.T.E - 8 hr TWA mg/m3
Bauxite calcined	CAS : 92797-42-7 Eines : 296-578-9	No data
Silicic acid, sodium salt - Nr. REACH. 01-2119448725-31	CAS : 1344-09-8	No data

REACH: Xi ;R38-R41 --- CLP: Skin Irrit.2; H315 - Eye Dam.1; H318
Einecs : 215-687-4

8.2. Exposure Controls:

The product is delivered as wet, so is not relevant to respirable dust.
Contains some substances without any approved Occupational Exposure values

8.2.1. Appropriate engineering controls

Non relevant

8.2.2. Individual protection measures, such as personal protective equipment

8.2.2.1. Good occupational hygiene practices

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
For details about the following HS personal devices, please see the annex dedicated to.
(Section .17)

8.2.2.2. (a) Eye/face protection

Wear a face shield
Wear safety glasses with lateral protection (166 rev. S4KN2)



8.2.2.2. (b) Skin protection

Wear alkali resistant clothing.



8.2.2.2. (c) Hands:

Wear alkali resistant gloves



8.2.2.2. (d) Respiratory protection

The product is delivered as wet, so is not relevant to respirable dust.
Consult the local reglementation.



8.2.3. Environmental exposure controls

Prevent access to water table, running or stagnant water, or drains during installation or during washing the tools used for installation.

8.2.4. Exposure scenario:

Unknown today please follow the advices given in §2, §3, §8, §10, §11 and §13
Read carefully the relevant Installation Guideline that is indicated in the Technical Data Sheet.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Name of the characteristic	Value
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Appearance:	Viscous liquid
Color:	Grey
Odour:	No particular odour
Melting point	> 1600 °C
Packing Density:	Non relevant
Vapour density:	Non relevant
pH:	10 < pH < 12
Segregation:	BEWARE: Segregation may occur, after some weeks of storage, between the mineral charge and its liquid binder.
Boiling point:	Non relevant
Flash point:	Non relevant
Inflammability:	No
Explosive properties:	No
Combustive properties:	No
Solubility solvent:	No
Partition coefficient n-octanol/water:	Non relevant
Viscosity:	70 < mPa.s < 160
Hydrosolubility:	Lower than 20%

9.2. Other informations:

All non relevant data are linked to the nature of our products - mineral mixtures.

SECTION 10: Stability and reactivity

10.1. Reactivity

Yes, during first heating of the product

10.2. Chemical stability

Chemically stable refractory product

10.3. Possibility of hazardous reactions

Strong exothermic reaction with acids

10.4. Conditions to avoid

Danger : Hazardous reaction in contact with acids.

10.5. Incompatible materials

Avoid contact with light alloy metal, aluminium, zinc or tin coated steel.

10.6. Hazardous decomposition products

None

SECTION 11: Toxicological information

Data linked to the pure substance or its reglementary concentration

Substance as EU/REACH:

_ Silicic acid, sodium salt, CAS Nr.1344-09-8 - EINECS Nr.215-687-4 - Label: Xi; R38, R41

Substance as GHS/CLP:

_ Silicic acid, sodium salt - CAS Nr.1344-09-8 - EINECS Nr.215-687-4 - Label: Eye Dam.1; H318 - Skin Irrit.2; H315

11.1.2. Mixtures.

11.1.2.1. The relevant effects classes for which information shall be provided, are:

11.1.2.1. - (a) acute toxicity:

Non relevant

11.1.2.1. - (b) skin corrosion/irritation:

Irritating to skin.

- 11.1.2.1. - (c) serious eye damage/irritation:**
Risk of serious damage to eyes.
- 11.1.2.1. - (d) respiratory or skin sensitisation:**
Non relevant
- 11.1.2.1. - (e) germ cell mutagenicity:**
Non relevant
- 11.1.2.1. - (f) carcinogenicity:**
Non relevant
- 11.1.2.1. - (g) reproductive toxicity:**
Non relevant
- 11.1.2.1. - (h) STOT-single exposure:**
Non relevant
- 11.1.2.1. - (i) STOT - repeated exposure:**
Non relevant
- 11.1.2.1. - (j) aspiration hazard:**
Non relevant
- 11.1.2.2. C.M.R. - Classification of the mixture for the following health effects according to the Directive 1999/45/EC**
Non relevant
- 11.1.2.3. Other health effects of the mixture.**
Non relevant
- 11.1.4. Toxicological properties of the hazardous substance or mixture, as placed on the market:**
- 11.1.4.1. LD50: Lethal Dose, 50%.**
Non relevant
- 11.1.4.2. LC50: Lethal Concentration, 50%.**
Non relevant
- 11.1.5. Summarise results of the critical studies used by routes of exposure:**
- 11.1.5. - (a) Oral:**
Unknown at that date
- 11.1.5. - (b) Dermal:**
Irritating to skin.
- 11.1.5. - (c) Inhalation:**
Unknown at that date
- 11.1.5. - (d) Eye:**
Risk of serious damage to eyes.
- 11.1.6. Criteria, linked to routes of exposure, used for non classification:**
Non relevant

SECTION 12: Ecological information

12.0. General Information:

12.1. Toxicity

- 12.1.1. Air:**
Non relevant
- 12.1.2. Water:**
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
- 12.1.3. Soil :**
Unknown at that date
- 12.1.4. Flora:**
Unknown at that date
- 12.1.5. Fauna:**
Unknown at that date
- 12.1.6. Bee:**
Unknown at that date
- 12.2. Persistence and degradability**
No
- 12.3. Bioaccumulative potential**
No
- 12.4. Mobility in soil**
Non relevant

12.5. Results of PBT and vPvB assessment

Non relevant

12.6. Other adverse effects

Unknown at that date

12.6.1. Miscellaneous:

No specific adverse effect known.

SECTION 13: Disposal considerations

13.0. DIRECTIVE 2008/98/EC ON INDUSTRIAL WASTE.

13.1. WASTE TREATMENT METHODS

Unused material can be disposed according to local regulations and statutory EU provisions

Do not flush into drains or surface water

13.1.1. DISPOSAL OPERATIONS

D 1 Deposit into or on to land (e.g. landfill, etc.)

13.1.2. RECOVERY OPERATIONS

R 5 Recycling/reclamation of other inorganic materials.

13.1.3. PROPERTIES OF WASTE WHICH RENDER IT HAZARDOUS

H 4 (Irritant): non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.

13.2. POTENTIAL DANGER FROM THE WASTE:

Unknown at that date

Before destruction and disposal of the refractory lining, customers are advised to evaluate any changes to the product that may be induced by the introduction of substances, or operating conditions outside the control of the Vendor

SECTION 14: Transport information

ADR/RID/ADN class:

Non relevant to the UN classification on dangerous goods

The substance is not a dangerous good according to 3.2, ADR/RID

ICAO-TI / IATA-DGR class:

Non relevant to the UN classification on dangerous goods

IMDG (marine) class:

Non relevant to the UN classification on dangerous goods

14.1. UN number

Non relevant

14.2. UN proper shipping name

Non relevant

14.3. Transport hazard class(es)

Non relevant to the UN classification on dangerous goods

14.4. Packing group:

Non relevant

14.5. Environmental hazards:

Non relevant

SECTION 15: Regulatory information

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

15.1.1. Directive 67/548/EEC on dangerous substances.

The classification of this product has been established according to that directive.

15.1.2. Directive 1999/45/EC on dangerous preparation.

The classification of this product has been established according to that directive.

15.1.3. Regulation 1907/2006/EC on REACH regulation.

The classification of this product has been established according to this regulation.

15.1.4. Regulation 1272/2008/EC on the GHS/CLP, including the EC 286/2011 (2nd ATP)

The classification of this product has been established according to this regulation.

15.1.5. Regulation 453/2010/EC amending Regulation (EC) No 1907/2006

This SDS has been created according to this regulation.

15.1.6. Directive 2006/8/EC on CMR and hazardous substances for environment.

This product does not meet the criteria for classification in that directive.

15.1.7. Directive 94/9/EC on equipment and protective systems intended for use in potentially explosive atmospheres (ATEX 95)

This product does not meet the criteria for classification in that directive.

15.1.8. Directive 1999/92/EC on minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres (ATEX 137)

This product does not meet the criteria for classification in that directive.

15.1.9. Decision No 2455/2001/EC on the list of priority substances in the field of water policy.

This product does not meet the criteria for classification in that directive.

15.1.10. MONTREAL Protocol on Substances That Deplete the Ozone Layer (7th revision)

This product does not meet the criteria for classification in that protocol: Mixture of inert minerals.

15.1.11. IBC: Institutional Biosafety Committee

This product does not meet the criteria for any biosafety classification: Mixture of inert minerals.

15.1.12. MARPOL 73/78 (the International Convention for the Prevention of Pollution from Ships)

This product does not meet the criteria for classification in that directive.

15.1.13. STOCKHOLM convention on persistent organic pollutants (POPs)

This product does not meet the criteria for classification in that directive.

15.1.14. ROTTERDAM Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.

This product does not meet the criteria for classification in that directive.

15.1.15. Directive 96/29 EURATOM :

This product does not meet the criteria for classification in that directive.

15.2. Chemical Safety Assessment

This product doesn't require a Chemical Safety Assessment.

15.3. Occupational illness

Commission Recommendation of 19 September 2003 concerning the European schedule of occupational diseases (Text with EEA relevance) (notified under document number C(2003) 3297)
Non relevant

15.5. Other national relevant Safety, health and environmental regulations/legislation specific for the substance or mixture:

15.5.- (a) TA Air/TA Luft (German Technical Instructions on Air Quality Control)

This product does not meet the criteria for classification in that directive.

15.5.- (b) WgK: German Water hazard class (from the Administrative Regulation on substances hazardous to water - assessment):

The product, (according to German regulation) is classified as (in the sense of 17.05.1999):
WGK 1: slightly hazardous to water (self-classification)

15.5.- (c) Technical rules for dangerous substances (Technische Regeln für Gefahrstoffe)

This product does not meet the criteria for classification in that directive.

15.5.- (d) Nomenclature of classified installations for environmental protection.

This product does not meet the criteria for classification in that directive.

15.5.- (e) list of carcinogens, mutagens and reproductive toxins SZW (Dutch Regulation)

non relevant

15.5.- (f) The General Water Assessment methodology (ABM) - Dutch Regulation

This product does not meet the criteria for classification in that directive.

15.5.- (g) The Dutch Emissions Directive (NeR) - Dutch Regulation

This product does not meet the criteria for classification in that directive.

SECTION 16: Other information

16.0. Additionnal safety information:

As announced in the Sub-section 2.1.3. find below the full text of the Risk and Safety phrases (REACH) plus the Hazard statement phrases (H - EUH) and Precautionary statement phrases (P) from GHS/CLP phrases indicated.

16.1 GHS/CLP Pictograms

16.1.1. Symbol(s) in black/white or colour according to the Regulation (EC) No 1272/2008 [CLP/GHS]:



Eye Dam. 1; H318

Danger



Skin Irrit. 2; H315

Warning

16.1.2. Labelling according to the Regulation (EC) No 1272/2008 [CLP/GHS]:

Skin Irrit.2; H315 / Eye Dam.1; H318.

16.1.3. Classification according to the GHS/CLP regulation:

Skin irritation, hazard category 2

Serious eye damage, hazard category 1

16.1.4. Signal word:

Danger

Warning

16.1.5. GHS/CLP Hazard statement phrases (H - EUH):

H315: Causes skin irritation.

H318: Causes serious eye damage.

16.3. EU/REACH Risk phrases

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

16.4. EU/REACH Safety phrases

S24/25: Avoid contact with skin and eyes.

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

16.5. GHS/CLP Hazard statement phrases (H - EUH):

H315: Causes skin irritation.

H318: Causes serious eye damage.

16.6. GHS/CLP Precautionary statement phrases (P)

P280: Wear protective gloves, protective clothing, eye protection and a face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

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

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

16.8. Other informations :

This safety data sheet (SDS) has been compiled according to Directive 453/2010/CE

This safety data sheet (SDS) has been compiled according to Directive 1999-45-CE

This safety data sheet (SDS) has been compiled according to annexe II of the CE 1907/2007 (18th of december 2006) regulations concerning the adoption of REACH

The limits shown are from annex I of the European Directive 67/548 EEC modified on 17th of March 2007.

The limits shown are from annex VI of the GHS as of 10th of March 2010

SDS status :

Modifier

JP Targe

Modification Date : 31/10/2011

Modification:

New

As this SDS was created according to the last EU recommendation; (EU) No 453/2010 of 20th of May 2010, all sections and sub-sections have been modified.

Acronyms and abbreviations used:

ADR: European regulation on transport of dangerous goods by road.

CAS: Chemical Abstracts Service

CLP : Classification, Labelling and Packaging of chemicals

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

ECHA : European Chemical Agency

EINECS: European Inventory of Existing Commercial Chemical Substance.

GefStoffV: German regulation on hazardous substances.

GHS : Global Harmonized System of classification and labelling of chemicals

GHS/CLP: Globally Harmonized System of Classification, Labelling and Packaging of chemicals

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the International Air Transport Association

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instruction by the International Air Transport Association

IMDG: International Maritime code for Dangerous Goods.

REACH : Registration, Evaluation, Authorisation and Restriction of Chemical substances

RID: International regulation on transport of dangerous goods by railway.

SVHC : Substance of Very High Concern
vPvB : very Persistent very Bioaccumulative

17. Annexes:

Attached annex : Medical toxicology units
Attached annex: HS Devices - Personal protection

Annex: MEDICAL TOXICOLOGY UNITS

Greece - ΕΛΛΑΔΑ, Αθήνα Αθηνών: Νοσοκομείο Παιδών "Αγλαΐα Κυριακού" - 11527 Αθήνα - Τηλ: +30 1 779 3777 - Fax: +30 1748 6114
United Kingdom: The UK National Poisons Emergency number is 0870 600 6266 (Outside the UK: +44 870 600 6266)
France: système ORFILA, tél: 33 (0)1.45.42.59.59 (24h/24h)
Italia: Roma : Centro Antiveleni, Dipartimento di Tossicologia Clinica, Università Cattolica del Sacro Cuore, Largo Agostino Gemelli 8, I-00168 Roma - Telefono di emergenza: +39 06 305 4343
Nederland: Rijkinstituut voor Volksgezondheid, Antonie van Leeuwenhoeklaan 9, 3720BA Bilthoven - Tel: +31 302 541 5 11 – Fax: +31 302 748 888
España: Servicio Nacional de Toxicología, c/Luis Cabrera, 9 – 28002 Madrid, Tel: +34 915 62 04 20 Unitat de Toxicologia Clínica, Servicio de Urgencias, Hospital Clinic I Provincial de Barcelona, C/Villarroel, 170, E-08036 Barcelona - Telèfon d'urgències: +34 93 227 98 33 or +34 93 227 54 00 bleep 190 - Fax: +34 93 227 56 93
Hungary - Magyarország Egészségügyi Toxikológiai Tájékoztató Szolgálat - 1097 Budapest, Nagyvárad tér 2. - Telefon: +36 80 20 11 99, Fax: +36 1 476 1138
Romania: S.O.S Vitan Birzesti 9, Sector 4, 75889 București - Tel: +401 6 34 38 90 135 – Fax: +401 3 21 02 60 Departamentul de Toxicologie Clinică, Spitalul de Urgenta Floreasca, Calea Floreasca, București - De telefon de urgență: +40 21 230 8000
Belgique: Brussels / Bruxelles : Centre Anti-Poisons/Antigifcentrum, Hôpital Militaire Reine Astrid, Rue Bruyn, Brussels B -1120 - Emergency telephone: +32 70 245 245 - Fax: +32 2 264 9646
Denmark: Giftinformationscentralen - Bispebjerg Hospital, Bispebjerg Bakke 23, 60, 1, DK-2400 København NV - Nødtelefon, offentlige: +45 82 12 12 12
Osterreich: Vergiftungsinformationszentrale, Allgemeines Krankenhaus Waehringer Geurtel 18-20, Wien 1090 - Telephone: +43 1 40 400 2222
Australia: 1- South Australian Poisons Information Centre Women's and Children's Hospital, 72 King William Road North Adelaide SA 5006 - Tel: +61 82 04 72 22 - Fax: +61 82 04 60 49 2 - Canberra A.C.T. Poisons Information Service, Woden Valley Hospital, Garran, Yamba Drive - Tel: +61 62443333 / +61 62852852 - Fax: +61 6244 3334
India: Poison Information Centre National Institute of Occupational Health Meghani Nagar, Ahmedabad - India 320016 - Tel: +91-272-867351 - Fax: +91-272-866630
RSA : Poison Information Centre, University of Cape Town, Department of Paediatrics and Child Health, Red Cross War Memorial Children's Hospital, Klipfontein Road, Rondebosch, Cape 7700, South Africa - Tel: +27 21 658 5308 - Fax: +27 21 689 1287
Brazil: Centro de Informacao Toxicologica, Rua Domingos Cresencio, 132/8 andar CEP 90650-090 Porto Alegre-RS - Tel: +55 51-223-6110 - Fax: +55 51 2299067
Poland - Polska: Warszawa, Poison Control Warszawie i Centrum Informacji, Szpital Praski, Al. Solidarności 67, P-03 401 Warszawa - Telefon alarmowy: +48 22 619 66 54, +48 22 619 08 97
Russia - Российская Федерация: МЧС России - Центральный офис: 109012 Г.МОСКВА, ТЕАТРАЛЬНЫЙ ПР.,3 - Телефон: (495)

<p>449-99-99 или 122 (мобильный телефон) - Сайт: http://www.mchs.gov.ru</p> <p>Исследования и прикладной токсикологии Центра (RATC) Федерального медико-биологического агентства, 3 Большая Сухаревская площадь, Блок 7, Москва 129090 - Телефон экстренной связи: +7 495 628 16 87 (только на русском)</p>	
Finland - SUOMI	
<p>Myrkytystietokeskuksen P.O.B 790 (Tukholmankatu 17), SF - 00029 HUS, Helsinki - Puhelin: +358 9 471 977, Fax: +358 9 4717 47 02</p>	
Norway - NORGE	
<p>Gift Informasjon, Direktoratet for Sosial-og helsedirektoratet, P.O. Box 7000, St. Olavs Plass, 0130 Oslo - Emergency telefon: +47 22 591300</p>	
Sweden - SVERIGE	
<p>Svenska Giftinformationscentralen, Karolinska sjukhuset, SE-171 76 Stockholm - Telefonnummer för nödsituationer: +46 8 33 12 31 (International) 112 (Nationella)</p>	
Germany - DEUTSCHLAND	
<p>Giftnotruf Berlin, Berliner Betrieb für Zentrale Gesundheitliche Aufgaben, Institut für Toxikologie, Oranienburger Straße 285, 13437 Berlin - Notrufnummer: +49 30 19240</p>	
Bulgaria - България	
<p>Национална Токсикологична информационен център, Институт за спешна медицинска "Пирогов", 21 Tottleben Boulevard, 1606 София - Телефон за спешни случаи: +359 2 9154 409</p>	
Croatia - Hrvatska	
<p>Otrovi Kontrolni centar, Institut za medicinska istraživanja i medicinu rada, Ksaverska cesta 2, PP Box 291, HR-10000 Zagreb - Hitna Telefon: +385 1 234 8342</p>	
Czech Republic - česká republika	
<p>Toxikologické informační středisko, Klinika pro pracovní lékařství, 1. lékařská fakulta Univerzity Karlov, Na Bojišti 1, 128 00 Praha 2 -</p> <p style="text-align: right;">Nouzové telefonní číslo: +42 2</p> <p>2401 0203 nebo +42 2 2401 5402 - Fax: +42 2 2401 4570</p>	
Turkey - Türkiye	
<p>Toksikoloji Anabilim Dalı ve Zehir Merkezi, Refik Saydam Hıfzısıhha Merkez Araştırma Enstitüsü, Cemal Gürsel Cad yok. 18, Sıhhiye, Ankara 06100 - Acil telefon numarası: 0 800 314 7900 (Türkiye), veya +90 0312 433 70 01 - Faks: +90 0312 433 70 00</p>	

H&S Devices - Personal protection - EU regulation: CE/EN			
ROUTE OF EXPOSURE			
EYES	SKIN	HANDS	INHALATION
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	340 rev	388 - 3111	FFP3
DEDICATED USAGE: Non labelled, cast, hydraulic bonded products, cold conditions.			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	ISO6942	407 - 2122	FFP3
DEDICATED USAGE: Non labelled, cast, hydraulic bonded products, hot conditions.			
Face shield	Clothes	Gloves	Mask
166 rev, F4KN2	340 rev	388 - 3111	FFP3
DEDICATED USAGE: Non labelled, gunned, hydraulic bonded products, cold conditions.			
Face shield	Clothes	Gloves	Mask
166 rev, F4KN2	ISO6942	407 - 2122	FFP3
DEDICATED USAGE: Non labelled, gunned, hydraulic bonded products, hot conditions.			
Face shield	Clothes	Gloves	Mask
166 rev, F4KN2	340 rev	388 - 3111	FFP3
DEDICATED USAGE: Non labelled chemical bonded gunning mixes, cold installation			
Face shield	Clothes	Gloves	Mask
166 rev, F4KN2	ISO6942	407 - 2122	FFP3
DEDICATED USAGE: Non labelled chemical bonded gunning mixes, hot installation			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	340 rev	388 - 3111	FFP3
DEDICATED USAGE: Labelled hydraulic bonded products, cold installation			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	ISO6942	407 - 2122	EN 141:2000
DEDICATED USAGE: Labelled hydraulic bonded products, hot installation			
Face shield	Clothes	Gloves	Mask
166 rev, F4KN2	ISO6529-463	3121 - 1994	Local rules
DEDICATED USAGE: Phosphate bonded products			
Face shield	Clothes	Gloves	Mask
166 rev, F4KN2	ISO17491-3	3121 - 1994	Local rules
DEDICATED USAGE: Sodium silicate bonded products			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	340 rev	388 - 3111	EN 141:2000
DEDICATED USAGE: Labelled dry mixes			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	340 rev	388 - 3111	FFP3
DEDICATED USAGE: Non labelled dry mixes			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	340 rev	388 - 3111	Local rules
DEDICATED USAGE: Non labelled plastics or ramming mixes			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	340 rev	388 - 3111	FFP3
DEDICATED USAGE: Resin bonded products, cold installation.			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	ISO6942	407 - 2122	EN 141:2000
DEDICATED USAGE: Resin bonded products, hot installation			
Glasses with lateral protection	Clothes	Gloves	Mask
166 rev, S4KN2	340 rev	388 - 3111	Local rules
DEDICATED USAGE: Non labelled cement, patched, sprayed or trowelled products			