

according to Regulation (EC) No. 1907/2006

AEO-4/0		CEAEO-4/0 Glaze Drym DTF Opq pp25kg	
Product specification	RS_FP_100521	Revision Date	25.06.2012
Version	1	Print Date	06.06.2013
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1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Material number : **1047727**

Trade name : **AEO-4/0**
CEAEO-4/0 Glaze Drym DTF Opq pp25kg

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

Use of the Substance/Mixture : Ceramic coating suited for firing, for glass and ceramics.

1.3 Details of the supplier of the safety data sheet

Company : Ferro Spain, S.A.
Carretera Valencia-Barcelona Km 61,5
12550 Almazora (Castellón)

Telephone : +34964504450
Telefax : +34964504421
E-mail address : gestion.msds@ferro.com
Responsible/issuing person

1.4 Emergency telephone number

CHEMTREC In-Country Number : 900-868538
CHEMTREC Global Number : 1-703-527-3887(Call Collect)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

No information available.

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3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
WEL substance :				
kaolin	1332-58-7 310-194-1 /			< 10

4. First aid measures

4.1 Description of first aid measures

- General advice : 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 : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

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5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
: Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Pick up and arrange disposal without creating dust.
Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
No special handling advice required.

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Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.

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.
Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : No special restrictions on storage with other products.
No materials to be especially mentioned.

Other data : Keep in a dry place.
No decomposition if stored and applied as directed.

7.3 Specific end uses

: Consult the technical guidelines for the use of this substance/mixture.

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value type	Control parameters	Expressed as	Update	Basis
kaolin	1332-58-7	VLA-ED	2 mg/m ³		2006-01-01	ES VLA
Further information:	Please refer to UNE EN 481: Workplaces atmospheres. Size fraction definitions for measurement of airborne particles. This value is for the particulated matter that is free from asbestos and contains less than 1% of crystalline silica.					
		VLA-EC	5 mg/m ³			ES VLA

8.2 Exposure controls

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

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required.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

Protective measures : Wear suitable protective equipment.
When using do not eat, drink or smoke.

Environmental exposure controls

General advice : No special environmental precautions required.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : powder

Colour : white

Odour : odourless

Odour Threshold : not applicable

pH : 6 - 8

Melting point/range : > 500 °C

Boiling point/boiling range : > 1.000 °C

Flash point : , not applicable

Evaporation rate : not applicable

Flammability (solid, gas) : The product is not flammable.

Burning rate : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : not applicable

Relative density : no data available

Water solubility : insoluble

Solubility in other solvents : insoluble

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Partition coefficient: n-octanol/water	:	not applicable
Autoignition temperature	:	not applicable
Thermal decomposition	:	not applicable
Viscosity, dynamic	:	not applicable
Viscosity, kinematic	:	not applicable
Explosive properties	:	not applicable
Oxidizing properties	:	not applicable

9.2 Other information

Bulk density	:	1.500 - 3.000 kg/m ³
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10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions., 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 : Further information: No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : Stable under normal conditions.

11. Toxicological information

11.1 Information on toxicological effects

Product

Skin corrosion/irritation	:	According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Serious eye damage/eye irritation	:	According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

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Respiratory or skin sensitization : no data available

Further information : no data available

12. Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known eco-toxicological effects.

Chronic aquatic toxicity : This product has no known eco-toxicological effects.

12.2 Persistence and degradability

Product:

Biodegradability : no data available

Components:

kaolin :

Biodegradability : no data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : no data available

Components:

kaolin :

Bioaccumulation : no data available

12.4 Mobility in soil

Product:

Distribution among environmental compartments : no data available

Components:

kaolin :

Distribution among environmental compartments : no data available

12.5 Results of PBT and vPvB assessment

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Product:

Assessment : This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Product:

Additional ecological information : no data available, There is no data available for this product.

13. Disposal considerations

13.1 Waste treatment methods

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

14.1 UN number

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

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ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards**ADR**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship type : N/A

Pollution category : N/A

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

EU SVHC - Candidate List of Substances of Very High Concern for Authorisation : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Notification status

REACH : On the inventory, or in compliance with the inventory
 CH INV : The formulation contains substances listed on the Swiss Inventory
 US.TSCA : On TSCA Inventory
 DSL : All components of this product are on the Canadian DSL list.
 AICS : On the inventory, or in compliance with the inventory
 NZIoC : On the inventory, or in compliance with the inventory
 ENCS : Not in compliance with the inventory
 ISHL : Not in compliance with the inventory
 KECI : On the inventory, or in compliance with the inventory
 PICCS : On the inventory, or in compliance with the inventory

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IECSC : On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

16. Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.