

Material Safety Data Sheet

1. PRODUCT NAME: CEM 805 DualProof Adhesive 290ml

2. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE
OR MIXTURE:

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

LABELLING ACCORDING TO REGULATION (EC)
NO. 1272/2008 [CLP]:

Special labelling of certain mixtures – EUH210
Safety data sheet available on request.

OTHER HAZARDS:

Following dangerous substances will be released when the product hardens:
methanol.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
No risks worthy of mention. Please observe the information on the safety data sheet at all times.

3. COMPOSITION

HAZZARDOUS COMPONENTS:

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
2768-02-7	trimethoxyvinylsilane			1 - < 5 %
	220-449-8			
	Flam. Liq. 3, Acute Tox. 4; H226 H332			

Full text of H and EUH statements: see section 16.

FURTHER INFORMATION:

Product does not contain listed SVHC substances > 0.1% according to Regulation (EC) No. 1907/2006 Article.

4. FIRST AID

CONTACT WITH SKIN:

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

CONTACT WITH EYES:

Rinse cautiously with water for serval minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

INGESTION:

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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4. FIRST AID continued...

INHALATION:	In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.
OTHER INFORMATION:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Carbon dioxide (co2). Dry extinguishing powder. Alcohol resistant foam. Atomized water.
UNSUITABLE EXTINGUISHING MEDIA:	High power water jet.
SPECIAL PROTECTIVE EQUIPMENT:	Can be released in case of fire: Carbon monoxide, carbon dioxide (CO2), Nitrogen oxides (NOx).
ADDITIONAL INFORMATION:	Wear self-contained breathing apparatus and chemical protective clothing. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	See protective measures under point 7 & 8.
ENVIRONMENTAL PRECAUTIONS:	Discharge into the environment must be avoided.
CLEAN-UP PROCEDURES:	Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.
REFERENCE TO OTHER SECTIONS:	Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS:	Wear personal protective clothing. (refer to section 8). General protection and hygiene measures: refer to chapter 8.
STORAGE INFORMATION:	Keep containers tightly closed in a cool place, well ventilated place. Keep the packing dry and well-sealed to prevent contamination and absorption of humidity. Recommended storage temperature: 20°C Protect against: Light. UV-radiation/sunlight. Heat. Moisture.
DO NOT STORE TOGETHER WITH:	Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feeding stuff.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: To date, no national critical limit values exist.

EXPOSURE CONTROLS: **Appropriate engineering controls** – No special measures are necessary.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Eye/face protection – Wear safety glasses; chemical goggles (if splashing is possible).

EXPOSURE CONTROLS: **Hand protection** – in case of prolonged or frequently repeated skin contact wear suitable gloves.

Suitable material:

FKM (fluororubber) – thickness of glove material: 0.4mm

Breakthrough time > = 8h

Butyl rubber – Thickness of glove material: 0.5mm

Breakthrough time > = 8h

CR (polychloroprenes, Chloroprene rubber) – Thickness of glove material: 0.5mm

Breakthrough time > = 8h

NBR (Nitrile rubber). – Thickness of glove material: 0.35 mm

Breakthrough time > = 8h

PVC (polyvinyl chloride) – Thickness of glove material: 0.5mm

Breakthrough time > = 8h

The selected protective gloves have to satisfy the specifications of EU directive 89/686/EEC and the standard EN 374 derived from it.

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Protective clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

ENVIRONMENTAL EXPOSURE CONTROLS: No special precautionary measures are necessary.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste , varies on colour	Oxidising Properties	None
Odour	Characteristic	Vapour Pressure	Not Determined
pH	Not Determined	Relative density	Not Determined
Boiling Point	Not Determined	Bulk density	Not Determined
Melting Point	Not Determined	Viscosity	Not Determined
Flash Point	> 100°C	Solubility	Not Determined
Autoignition temperature	No data	Partition Coefficient	Not Determined
Explosive properties	Upper explosion limit - N	Other data	Ignition temperature: ~ 435°C

10. STABILITY/REACTIVITY

REACTIVITY:	No information available.
CHEMICAL STABILITY	The product is chemically stable under recommended conditions of storage, use and temperature.
POSSIBILITY OF HAZARDOUS REACTIONS:	Reacts with: Water – release of: Methanol.
CONDITIONS TO AVOID:	Protect against: UV-radiation/sunlight. heat.
INCOMPATIBLE MATERIALS:	Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong alkali. Strong acid.
HAZARDOUS DECOMPOSITION PRODUCTS:	Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO ₂). Nitrogen oxides (NO _x).

11. TOXICOLOGICAL INFORMATION

TOXICOCINETICS, METABOLISM AND DISTRIBUTION:	No data available.
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11. TOXICOLOGICAL INFORMATION continued...

ACUTE TOXICITY: Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2768-02-7	trimethoxyvinylsilane				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalative (4 h) vapour	LC50 16,8 mg/l	Rat	ECHA Dossier	
	inhalative aerosol	ATE 1,5 mg/l			

IRRITATION AND CORROSIVITY: Based on available data, the classification criteria are not met.

SENSITISING EFFECTS: Based on available data, the classification criteria are not met.

CARCINOGENIC/MUTAGENIC/
TOXIC EFFECTS FOR REPRODUCTION: Based on available data, the classification criteria are not met
trimethoxyvinylsilane (CAS No. 2768-02-7):
In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist. Reproductive toxicity::
Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test).
Species: Rat Exposure time: 28d
Test results: NOAEL = 1000mg/kg (Rat) Developmental toxicity/teratogenicity:
Method: EPA OTS 798.4350 (inhalation Developmental Toxicity Screen)
Species: Rat Exposure time: 21d
Test results: NOAEL = 100 ppm (Rat)
Literature information: ECHA Dossier

STOT-SINGLE EXPOSURE: Based on available data, the classification criteria are not met.

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11. TOXICOLOGICAL INFORMATION continued...

STOT-REPEATED EXPOSURE: Based on available data, the classification criteria are not met.
Trimethoxyvinylsilane (CAS No. 2768-02-7):
Subacute oral toxicity:
Method: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity screening test)
Species: Rat Exposure time: 28d
Test results: NOAEL = <62.5 mg/kg
Subchronic inhalation toxicity:
Method: -
Species: Rat Exposure time: 90d
Test results: NOAEC = 10 ppm
Literature information: ECHA Dossier

ASPIRATION HAZARD: Based on available data, the classification criteria are not met.

FUTHER INFORMATION: Following skin contact: erythema (redness). Irritation.
After eye contact: erythema (redness). Irritation

12. ECOLOGICAL INFORMATION

TOXICITY: The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
2768-02-7	trimethoxyvinylsilane					
	Acute fish toxicity	LC50 mg/l	191	96 h	Oncorhynchus mykiss	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	210	72 h	Pseudokirchnerella subcapitata	ECHA Dossier
	Acute crustacea toxicity	EC50 mg/l	168,7	48 h	Daphnia magna	ECHA Dossier

PERSISTENCE AND DEGRADABILITY: The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
2768-02-7	trimethoxyvinylsilane			
	-	51%	28	ECHA Dossier
	Poorly biodegradable.			

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12. ECOLOGICAL INFORMATION continued...

BIOACCUMULATIVE POTENTIAL: No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2768-02-7	trimethoxyvinylsilane	-2

MOBILITY IN SOIL: No data available.

RESULTS OF PBT & VPVB ASSESSMENT: The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

OTHER ADVERSE EFFECTS: No data available.

FURTHER INFORMATION: Do not allow to enter into surface water or drains.

13. DISPOSAL CONSIDERATIONS

ADVICE ON DISPOSAL: Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/ waste marking according to EAKV:

WASTE DISPOSAL NUMBER OF WASTE FROM RESIDUES/UNUSED PRODUCTS

080499 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INK; wastes from MFSU of adhesives and sealants (including waterproofing products); wastes not otherwise specified.

WASTE DISPOSAL NUMBER OF USED PRODUCT

080499 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INK; wastes from MFSU of adhesives and sealants (including waterproofing products); wastes not otherwise specified.

WASTE DISPOSAL NUMBER OF CONTAMINATED PACKAGING

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

CONTAMINATED PACKAGING: Handle contaminated packages in the same way as the substance itself.

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14. TRANSPORT INFORMATION

LAND TRANSPORT (ADR/RID)

UN NUMBER: No dangerous good in sense of this transport regulation.
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.
PACKING GROUP: No dangerous good in sense of this transport regulation.

INLAND WATERWAYS TRANSPORT (ADN)

UN NUMBER: No dangerous good in sense of this transport regulation.
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.
PACKING GROUP: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN NUMBER: No dangerous good in sense of this transport regulation.
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.
PACKING GROUP: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN NUMBER: No dangerous good in sense of this transport regulation.
UN PROPER SHIPPING NAME: No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD CLASS(ES): No dangerous good in sense of this transport regulation.
PACKING GROUP: No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No.
SPECIAL PRECAUTIONS FOR USER: refer to chapter 6-8

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBCCODE

Not relevant.

15. REGULATORY INFORMATION

Safety, health & environmental regulations/legislation specific for the substance or mixture

EU REGULATORY INFORMATION

2010/75/EU (VOC): No information available
2004/42/EC (VOC): No information available
Information according to 2012/18/EU:
(SEVESO III): Not subject to 212/18/EU (SEVESO III)

Additional Information

The mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII: Not relevant

National regulatory information

WATER CONTAMINATING CLASS (D): 3 – highly water contaminating

Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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16. OTHER INFORMATION

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route CAS

Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect

level NOAEC: No observed adverse

effect level NTP: National Toxicology

Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

SARA: Superfund Amendments and Reauthorization

Act SVHC: substance of very high concern

TRGS Technische Regeln für

Gefahrstoffe TSCA: Toxic Substances

Control Act VOC: Volatile Organic

Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

Relevant H & EUH statements (number and full text)

H226 Flammable Liquid and Vapour.

H332 Harmful if inhaled

EUH210 Safety data sheet available on request.

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16. OTHER INFORMATION continued....

Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data. and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
