

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Fluxaf® PVCu Restorer
Carton of 12 x 0,5 L Triggerbottles

Revision date : 27.08.2013

Date of print : 06-01-2014

Version (Revision) : 1.0.4 (1.0.3)

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

1.1 Product identifier

Fluxaf® PVCu Restorer
Carton of 12 x 0,5 L Triggerbottles (2151-500X12TF)

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

Relevant identified uses

Product categories [PC]

PC9A - Coatings and paints, thinners, paint removers

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Vliegenthart B.V.

Street : Zuiderhavenweg 42

Postal code/city : 4004 JJ TIEL

Telephone : +31 (0)344 63 33 36

Telefax : +31 (0)344 63 16 16

1.4 Emergency telephone number

+31 (0)344 63 33 36 (During officehours: 08:30 - 17:00 hour.)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

None

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC)

Special provisions concerning the labelling of certain mixtures

101 Safety data sheet available for professional user on request.

2.3 Other hazards

None

SECTION 3: Composition/ information on ingredients

3.2 Mixtures

Hazardous ingredients

BENZYL ALCOHOL ; REACH registration No. : 01-2119492630-38 ; EC No : 202-859-9; CAS No. : 100-51-6

Weight fraction : 10 - 25 %

Classification 67/548/EEC : Xn ; R20/22

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H332

Additional information

Full text of R-, H- and EUH-phrases: see section 16.

3.3 Additional information

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All ingredients of this mixture are (pre)registered according to REACH regulation.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner

After eye contact

If possible, remove contactlenses. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO₂). Sand. Water mist

Unsuitable extinguishing media

High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. See protective measures

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under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling



Protective measures

Wear personal protection equipment. (see chapter 8). If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists

Fire prevent measures

No anti-explosion measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access.

Requirements for storage rooms and vessels

Keep container tightly closed. Ensure adequate ventilation of the storage area. Restrict access to stockrooms.

Hints on joint storage

Keep away from

Keep away from combustible materials, reducing agents (e.g. amines), acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Avoid cooling to under 0°C.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Personal protection equipment

Eye / face protection

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Eye glasses with side protection

Skin protection



For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Hand protection



Long Gloves PVC (Polyvinyl chloride) PE (polyethylene) NR (natural rubber, natural latex)
Recommended Thickness DIN EN 374

Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. By spraying: air fed respirator. By other operations than spraying: in well ventilated areas, airfed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Occupational exposure controls

Technical measures to prevent exposure

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : Colourless.

Odour : Characteristic.

Odor Threshold value Not determined

Safety relevant basis data

Physical state :	liquid	
Melting point / melting range :	No data available	
Boiling temperature / boiling range : (1013 hPa)	Not determined	
Decomposition temperature : (1013 hPa)	Not determined	
Evaporation rate	Not determined	
Flash point :	Not determined	CC
Ignition temperature :	No data available	

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Flammability (gas, solid)		Not determined
Explosive properties		Not determined
Density :	(20 °C)	1,041 g/cm ³
Water solubility :	(20 °C)	Totally Soluble
PH value :		not applicable
Oxidising properties		Not determined
Partition coefficient n-octanol/water	Not determined	

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7 and 8).

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)

Exposure route : Oral

Species : Rat

Effective dose : 1230 mg/kg

Parameter : LD50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)

Exposure route : Oral

Species : Mouse

Effective dose : 1600 mg/kg

Parameter : LD50 (SODIUM MAGNESIUM SILICATE ; CAS No. : 53320-86-8)

Exposure route : Oral

Species : Rat

Effective dose : > 8000 mg/l

Acute dermal toxicity

Parameter : LD50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)

Exposure route : Dermal

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Species : Rabbit
Effective dose : 2000 mg/kg

Acute inhalation toxicity

Parameter : LC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Exposure route : Inhalation
Species : Rat
Effective dose : 8,8 mg/l
Exposure time : 4 h

Parameter : LC50 (SODIUM MAGNESIUM SILICATE ; CAS No. : 53320-86-8)
Exposure route : Inhalation
Species : Rat
Effective dose : > 1,66 g/m³

Phototoxicity

Additional information

According to known data, also after prolonged contact, no hazard to health has occurred

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Species : Lepomis macrochirus (Bluegill)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 10 mg/l

Acute (short-term) daphnia toxicity

Parameter : EC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : 400 mg/l
Exposure time : 48 h

Acute (short-term) algae toxicity

Parameter : IC50 (BENZYL ALCOHOL ; CAS No. : 100-51-6)
Species : Scenedesmus quadricauda
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : 640 mg/l
Exposure time : 96 h

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

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12.7 Further ecological information

Additional information

Product should not be released into water without pre-treatment (biological sewage plant).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Package

Contaminated packages must be completely emptied and can be re-used following proper cleaning. The generation of waste should always as far as possible be avoided, or be limited to a minimum. Disposal of this product, solutions and any by-products should at all times be in accordance with applicable legislation in the field of environmental protection and waste disposal legislation and any other regional or local regulations.

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

None

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

None

16.3 Key literature references and sources for data

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None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]

None

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

16.5 Relevant R-, H- and EUH-phrases (Number and full text)

H302+H332 Harmful if swallowed or if inhaled.

20/22 Harmful by inhalation and if swallowed.

16.6 Training advice

Make sure that employees are aware of the safety risk. People wearing breathing apparatus must be appropriately trained.

16.7 Additional information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The product may not be used for any purpose other than that specified in chapter 1 unless written consent has been obtained. The user is responsible for the observance of all required statutory provisions.

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.
