

# Safety Data Sheet

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



Trade name : Fluxaf® Pro-Klean  
Revision date : 19.09.2013  
Date of print : 06-01-2014

Version (Revision) : 4.0.0 (3.0.4)

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

### 1.1 Product identifier

Fluxaf® Pro-Klean (2162)

### 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

Irritating to eyes and skin.

Xi ; R 36/38

### 2.2 Label elements

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

##### Hazard symbols and hazard statements of dangerous substances and preparations



Xi ; Irritant

##### R-phrases

36/38 Irritating to eyes and skin.

##### S-phrases

35 This material and its container must be disposed of in a safe way.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

24/25 Avoid contact with skin and eyes.

### 2.3 Other hazards

None

## SECTION 3: Composition/ information on ingredients

# Safety Data Sheet

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



**Trade name :** Fluxaf® Pro-Klean  
**Revision date :** 19.09.2013  
**Date of print :** 06-01-2014

**Version (Revision) :** 4.0.0 (3.0.4)

### 3.2 Mixtures

#### Hazardous ingredients

BUTYL CELLOSOLVE ; EC No : 203-905-0; CAS No. : 111-76-2

Weight fraction : 2,5 - 10 %

Classification 67/548/EEC : Xn ; R20/21/22 Xi ; R36/38

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

#### Additional information

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

### 3.3 Additional information

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 (CO<sub>2</sub>). 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.

# Safety Data Sheet

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



Trade name : Fluxaf® Pro-Klean  
Revision date : 19.09.2013  
Date of print : 06-01-2014

Version (Revision) : 4.0.0 (3.0.4)

## 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 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)

# Safety Data Sheet

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



Trade name : Fluxaf® Pro-Klean  
Revision date : 19.09.2013  
Date of print : 06-01-2014

Version (Revision) : 4.0.0 (3.0.4)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

BUTYL CELLOSOLVE ; CAS No. : 111-76-2

Limit value type (country of origin) : STEL ( EC )

Limit value : 50 ppm / 246 mg/m<sup>3</sup>

Remark : H

Version : 08-06-2000

Limit value type (country of origin) : TWA ( EC )

Limit value : 20 ppm / 98 mg/m<sup>3</sup>

Remark : H

Version : 08-06-2000

Limit value type (country of origin) : Exposure Limit (8 hours) ( NL )

Limit value : 100 mg/m<sup>3</sup>

Remark : H

Version : 01-01-2007

Limit value type (country of origin) : Exposure Limit (15 min) ( NL )

Limit value : 246 mg/m<sup>3</sup>

Remark : H

Version : 01-01-2007

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye / face protection



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.

# Safety Data Sheet

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



Trade name : Fluxaf® Pro-Klean  
Revision date : 19.09.2013  
Date of print : 06-01-2014

Version (Revision) : 4.0.0 (3.0.4)

## 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 :** Blue.  
**Odour :** Characteristic.  
**Odor Threshold value** Not determined

#### Safety relevant basis data

<b>Physical state :</b>			liquid	
<b>Melting point / melting range :</b>			0	°C
<b>Boiling temperature / boiling range :</b>	( 1013 hPa )		100	°C
<b>Decomposition temperature :</b>	( 1013 hPa )		Not determined	
<b>Evaporation rate</b>			Not determined	
<b>Flash point :</b>			Not determined	CC
<b>Ignition temperature :</b>			Not determined	
<b>Flammability (gas, solid)</b>			Not determined	
<b>Lower explosion limit :</b>			No data available	
<b>Upper explosion limit :</b>			No data available	
<b>Explosive properties</b>			Not determined	
<b>Vapour pressure :</b>	( 50 °C )	<	1000	hPa
<b>Density :</b>	( 20 °C )	ca.	1,015	g/cm <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )		Totally Soluble	
<b>PH value :</b>			10	
<b>Viscosity :</b>	( 20 °C )		Water thin	
<b>Oxidising properties</b>			Not determined	
<b>Partition coefficient n-octanol/water</b>			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

# Safety Data Sheet

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



**Trade name :** Fluxaf® Pro-Klean  
**Revision date :** 19.09.2013  
**Date of print :** 06-01-2014

**Version (Revision) :** 4.0.0 (3.0.4)

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

#### Phototoxicity

##### Additional information

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

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 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.

### 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

# Safety Data Sheet

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



**Trade name :** Fluxaf® Pro-Klean  
**Revision date :** 19.09.2013  
**Date of print :** 06-01-2014

**Version (Revision) :** 4.0.0 (3.0.4)

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

03. Hazardous ingredients · 08. Occupational exposure limit values

#### 16.2 Abbreviations and acronyms

None

#### 16.3 Key literature references and sources for data

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]

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2A ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

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

###### Hazard pictograms



Exclamation mark (GHS07)

###### Signal word

Warning

###### Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

###### Precautionary statements

# Safety Data Sheet

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



**Trade name :** Fluxaf® Pro-Klean  
**Revision date :** 19.09.2013  
**Date of print :** 06-01-2014

**Version (Revision) :** 4.0.0 (3.0.4)

---

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P321	Specific treatment (consult a doctor with the safety datasheet of this product).
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
36/38	Irritating to eyes and skin.

## 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.

---