

Safety Data Sheet

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



Trade name : Fluxaf® Pro! Paint Remover
Revision date : 27.08.2013
Date of print : 06-01-2014

Version (Revision) : 3.0.4 (3.0.3)

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

1.1 Product identifier

Fluxaf® Pro! Paint Remover (2163)

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

Flammable. · Vapours may cause drowsiness and dizziness.

R 10 · R 67 · R 66

2.2 Label elements

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

R-phrases

10 Flammable.
67 Vapours may cause drowsiness and dizziness.
66 Repeated exposure may cause skin dryness or cracking.

S-phrases

35 This material and its container must be disposed of in a safe way.
51 Use only in well-ventilated areas.
24 Avoid contact with skin.
9 Keep container in a well-ventilated place.

2.3 Other hazards

None

SECTION 3: Composition/ information on ingredients

3.2 Mixtures

Hazardous ingredients

N-BUTYL ACETATE ; EC No : 204-658-1; CAS No. : 123-86-4

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Weight fraction : 25 - 50 %
Classification 67/548/EEC : R10 R67 R66
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 STOT SE 3 ; H336

BUTANONE ; EC No : 201-159-0; CAS No. : 78-93-3

Weight fraction : 2,5 - 10 %
Classification 67/548/EEC : F ; R11 Xi ; R36 R67 R66
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; EC No : 265-150-3; CAS No. : 64742-48-9

Weight fraction : < 2,5 %
Classification 67/548/EEC : Xn ; R65 R66
Classification 1272/2008 [CLP] : Asp. Tox. 1 ; H304

ISOTRIDECANOL ETHOXYLATES ; CAS No. : 69011-36-5

Weight fraction : < 2,5 %
Classification 67/548/EEC : Xi ; R41 Xn ; R22
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

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

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

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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

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

5.4 Additional information

Burning produces heavy smoke. Do not allow run-off from fire-fighting to enter drains or water courses. Use water spray jet to protect personnel and to cool endangered containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Only use the material in places where open light, fire and other flammable sources can be kept away. 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. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Avoid the forming of inflammable or explosive concentrations of vapour in the air and exposure concentrations higher than permitted, Comply with the health and safety at work laws.

Fire prevent measures

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours can form explosive mixtures with air.

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

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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 ignition sources. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

BUTANONE ; CAS No. : 78-93-3

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

Limit value : 300 ppm / 900 mg/m³

Version : 08-06-2000

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

Limit value : 200 ppm / 600 mg/m³

Version : 08-06-2000

8.2 Exposure controls

Appropriate engineering controls

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 and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

Personal protection equipment

Eye / face protection



Eye glasses with side protection

Skin protection

Hand protection



Long Gloves NBR (Nitrile rubber). Recommended Thickness DIN EN 374

Body protection

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

Suitable protective clothing : Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values If technical exhaust or ventilation measures are

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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.

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) :	79 °C
Decomposition temperature : (1013 hPa)	Not determined
Evaporation rate	Not determined
Flash point :	27 °C CC
Ignition temperature :	270 °C
Flammability (gas, solid)	Not determined
Lower explosion limit :	1,8 Vol-%
Upper explosion limit :	10,4 Vol-%
Explosive properties	Not determined
Density : (20 °C)	ca. 0,996 g/cm ³
Water solubility : (20 °C)	insoluble
PH value :	not applicable
Viscosity : (20 °C)	Not determined
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.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter : LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route : Oral
Species : Rat
Effective dose : 13100 mg/kg
Parameter : LD50 (BUTANONE ; CAS No. : 78-93-3)
Exposure route : Oral
Species : Rat
Effective dose : 2737 mg/kg
Parameter : LD50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

Acute dermal toxicity

Parameter : LD50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route : Dermal
Species : Rabbit
Effective dose : 14100 mg/l
Parameter : LD50 (BUTANONE ; CAS No. : 78-93-3)
Exposure route : Dermal
Species : Rabbit
Effective dose : 13 g/kg
Parameter : LD50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Exposure time : 24 h

Acute inhalation toxicity

Parameter : LC50 (N-BUTYL ACETATE ; CAS No. : 123-86-4)
Exposure route : Inhalation
Species : Rat
Effective dose : 21 mg/l
Exposure time : 4 h
Parameter : LC50 (BUTANONE ; CAS No. : 78-93-3)
Exposure route : Inhalation
Species : Mouse
Effective dose : 40 mg/l
Parameter : LC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Exposure route : Inhalation
Species : Rat
Effective dose : > 5000 mg/m³
Exposure time : 8 h

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11.3 Other adverse effects

Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. Delayed reactions possible (breathing problems, coughs, asthma) Eye contact: irritation. Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible.

11.4 Additional information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : > 1000 mg/l
Exposure time : 96 h

Chronic (long-term) fish toxicity

Parameter : NOEC (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Species : Oncorhynchus mykiss (Rainbow trout)
Evaluation parameter : Chronic (long-term) fish toxicity
Effective dose : 0,1 mg/l
Exposure time : 28 days

Acute (short-term) daphnia toxicity

Parameter : EC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : > 1000 mg/l
Exposure time : 48 h

Chronic (long-term) daphnia toxicity

Parameter : NOEC (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Chronic (long-term) daphnia toxicity
Effective dose : 0,18 mg/l
Exposure time : 21 days

Acute (short-term) algae toxicity

Parameter : ErC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Species : Pseudokirchneriella subcapitata
Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 1000 mg/l
Exposure time : 72 h
Parameter : EbC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY / LOW BOILING POINT HYDROGEN TREATED NAPHTHA ; CAS No. : 64742-48-9)
Species : Pseudokirchneriella subcapitata

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Evaluation parameter : Acute (short-term) algae toxicity
Effective dose : > 1000 mg/l
Exposure time : 72 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.

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

UN 1993

14.2 UN proper shipping name

Land transport (ADR/RID)

FLAMMABLE LIQUID, N.O.S. (N-BUTYL ACETATE · METHYL ETHYL KETONE)

Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S. (N-BUTYL ACETATE · METHYL ETHYL KETONE)

Air transport (ICAO-TI / IATA-DGR)

FLAMMABLE LIQUID, N.O.S. (N-BUTYL ACETATE · METHYL ETHYL KETONE)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 3

Classification code : F1

Hazard identification number (Kemler

No.) : 30

Tunnel restriction code : D/E

Special provisions : 640E · LQ 7 · E 1 · Transport in containers with max. 450 litres contents are not

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subject to the regulations of ADR/RID.
Hazard label(s) : 3
Sea transport (IMDG)
Class(es) : 3
EmS-No. : F-E / S-E
Special provisions : LQ 5 I · E 1 · IMDG 2.3.2.5 (<= 30 l)
Hazard label(s) : 3
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 3
Special provisions : E 1
Hazard label(s) : 3

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

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

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]

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.
STOT SE 3 ; H336 - Specific target organ toxicity (single exposure) : Category 3 ; May cause drowsiness or dizziness.

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

Hazard pictograms

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Flame (GHS02) · Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to chemicals waste depot.

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

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

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
10 Flammable.
11 Highly flammable.
22 Harmful if swallowed.
36 Irritating to eyes.
41 Risk of serious damage to eyes.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

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

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valid for the new made-up material.
