

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: CF 525  
Print date: 26.11.2020  
Version: 1.3

Classic Finish  
Revision date: 26.11.2020  
Issue date: 26.11.2020

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

**1.1. Product identifier**

Article No. (manufacturer/supplier) CF 525  
Trade name/designation Classic Finish  
CF 525

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

**Relevant identified uses**  
one-pack performance coating

**1.3. Details of the supplier of the safety data sheet**

**supplier (manufacturer/importer/downstream user/distributor)**

PLANTAG Coatings GmbH  
Plantagenweg 34-38 05231/6002-0  
32758 Detmold 05231/6002-10  
info@plantag.de  
www.plantag.de

**Department responsible for information:**

Product Safety Department 7:30 a.m. - 4:45 p.m. Christin Seier  
E-mail (competent person) +49 (0) 5231 / 6002673  
c.seier@plantag.de  
Ralf Hachmeister  
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r.hachmeister@plantag.de

**1.4. Emergency telephone number**

Germany 0800-181-7059  
USA/Canada 1-800-424-9300  
Outside USA/Canada +001 703 527 3887  
China 4001 204937 (Mandarin)  
Hong Kong 800 968 793 (Cantonese)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements**

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

**Hazard pictograms**

**Hazard statements**

not applicable

**Precautionary Statements**

not applicable

**Hazard components for labelling**

not applicable

**Supplemental hazard information**

EUH208 Contains Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7], and 2-methyl-2H -isothiazol-3-one [ECno. 220-239-6] (3:1); 1,2-benzisothiazol-3(2H)-one; adipohydrazide; 2,4,7,9-tetramethyldec-5-yne-4,7-diol. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

\*

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**Description** acrylic resin

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

EC No.	REACH No.	weight-%
CAS No.	Designation	
INDEX No.	classification: // Remark	
203-905-0	01-2119475108-36	
111-76-2	2-butoxyethanol	1 < 2,5
603-014-00-0	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 classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or when symptoms persist, seek medical advice.  
Change contaminated, saturated clothing.  
Remove affected person from the danger area and lay down.  
Do not leave affected person unattended.  
In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.  
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest.  
In case of irregular breathing or respiratory arrest provide artificial respiration.  
Call a physician immediately.

**Following skin contact**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.  
Call a physician immediately.  
Wash contaminated clothing prior to re-use.

**After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye.  
Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm.  
Do NOT induce vomiting.  
Show this safety data sheet to the doctor in attendance.  
Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious place in recovery position and seek medical advice.

**Self-protection of the first aider**

No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

**4.2. Most important symptoms and effects, both acute and delayed**

In all cases of doubt, or when symptoms persist, seek medical advice.

**4.3. Indication of any immediate medical attention and special treatment needed**

First Aid, decontamination, treatment of symptoms.

**Symptoms**

May irritate eyes.  
May irritate skin.

**Danger**

Self-protection of the first aider

**Special treatment**

Treat symptomatically.

**SECTION 5: Firefighting measures**

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#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

##### **Unsuitable extinguishing media**

strong water jet

#### 5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.  
In case of fire may be liberated: carbon dioxide, carbon monoxide, smoke.

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.  
Cool closed containers that are near the source of the fire.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
In case of fire and/or explosion do not breathe fumes.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.  
Avoid contact with eyes and skin.  
See protective measures under point 7 and 8.  
Keep away from sources of ignition - No smoking.  
Handle in accordance with good industrial hygiene and safety practice.

#### 6.2. Environmental precautions

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

#### 6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

#### 6.4. Reference to other sections

SECTION 7: Handling and storage  
SECTION 8: Exposure controls/personal protection  
SECTION 13: Disposal considerations

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advices on safe handling**

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.  
Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and after work.  
Take off immediately all contaminated clothing.  
Remove contaminated clothing and wash it before reuse.  
Guarantee that the eye flushing systems and safety showers are closely located to the working place.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden.  
Store carefully closed containers upright to prevent any leaks.

##### **Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.  
Keep away from: Acids, Alkali (Iye), Oxidizing agent, Reducing agent.

##### **Further information on storage conditions**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden.  
Store carefully closed containers upright to prevent any leaks.

#### 7.3. Specific end use(s)

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Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

\*

#### Occupational exposure limit values

2-butoxyethanol

INDEX No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

WEL, TWA: 123 mg/m<sup>3</sup>; 25 ppm

WEL, STEL: 246 mg/m<sup>3</sup>; 50 ppm

Remark: (may be absorbed through the skin)

BMGV, TWA: 240 mmol/mol creatinine

Remark: Butoxyacetic acid; urine; end of exposure or end of shift

#### Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

#### DNEL:

2-butoxyethanol

INDEX No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

DNEL acute dermal, short-term (systemic), Workers: 89 mg/kg

DNEL long-term dermal (systemic), Workers: 75 mg/kg

DNEL long-term inhalative (systemic), Workers: 20 ppm

DNEL short-term oral (acute), Consumer: 13,4 mg/kg

DNEL long-term oral (repeated), Consumer: 3,2 mg/kg

DNEL acute dermal, short-term (systemic), Consumer: 44,5 mg/kg

DNEL long-term dermal (systemic), Consumer: 38 mg/kg

DNEL acute inhalative (local), Consumer: 123 mg/m<sup>3</sup>

DNEL acute inhalative (systemic), Consumer: 426 mg/m<sup>3</sup>

DNEL long-term inhalative (systemic), Consumer: 49 mg/m<sup>3</sup>

#### PNEC:

2-butoxyethanol

INDEX No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

PNEC aquatic, freshwater: 8,8 mg/L

PNEC aquatic, marine water: 0,88 mg/L

PNEC sediment, freshwater: 34,6 mg/kg

PNEC sediment, marine water: 3,46 mg/kg

PNEC, soil: 2,8 mg/kg

PNEC sewage treatment plant (STP): 463 mg/L

### 8.2. Exposure controls

\*

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

#### Personal protection equipment

##### Respiratory protection

If the pollutant concentration is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used.

Use only respiratory protection equipment with CE-symbol including four digit test number.

##### Hand protection

For prolonged or repeated handling the following glove material must be used: Chemical proof safety gloves

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Eye/face protection

Wear eye glasses with side protection according to EN 166.

Do not wear contact lenses.

##### Body protection

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Wear suitable protective clothing.

**Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Handle in accordance with good industrial hygiene and safety practice.

Wear suitable protective clothing.

When using do not eat, drink or smoke.

Keep away from food, drink and animal feedingstuffs.

Guarantee that the eye flushing systems and safety showers are closely located to the working place.

Avoid contact with skin, eyes and clothes.

Remove contaminated clothing and wash it before reuse.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

See section 7. No additional measures necessary.

If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

**SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties \*

**Appearance:**

**Physical state:** Liquid  
**Colour:** colourless

**Odour:** characteristic

**Odour threshold:** not determined

**pH at 20 °C:** 7,5 - 8 / 100,0 weight-%

**Melting point/freezing point:** not applicable

**Initial boiling point and boiling range:** 100 °C  
Source: Water

**Flash point:** > 60 °C  
Method: ASTM D 7094a

**Evaporation rate:** not determined

**flammability**

**Burning time (s):** not applicable

**Upper/lower flammability or explosive limits:**

**Lower explosion limit:** 1,1 Vol-%  
Source: 2-butoxyethanol  
**Upper explosion limit:** not determined

**Vapour pressure at 20 °C:** 23 mbar  
Source: Water

**Vapour density:** not determined

**Relative density:**

**Density at 20 °C:** 1,03 g/cm<sup>3</sup>

**Solubility(ies):**

**Water solubility (g/L) at 20 °C:** easily soluble

**Partition coefficient: n-octanol/water:** see section 12

**Auto-ignition temperature:** not determined

**Decomposition temperature:** not determined

**Viscosity at °C:** 20-25 s 4mm

**Explosive properties:** not applicable

**Oxidising properties:** not applicable

9.2. Other information \*

**Solid content (%):** 27,79 weight-%

**solvent content:**

**Organic solvents:** 5,73 weight-%

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**Water: 65,93 weight-%**

### SECTION 10: Stability and reactivity

**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

Further remarks: SECTION 7: Handling and storage

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5. Incompatible materials**

Oxidizing agent, Reducing agent, Acids, Alkali (lye)

**10.6. Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke.

### SECTION 11: Toxicological information

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

No data on preparation itself available.

**11.1. Information on toxicological effects**

**Acute toxicity**

2-butoxyethanol

oral, LD50, Rat: 1300 mg/kg

dermal, LD50, Rabbit: 1800 mg/kg

inhalative (vapours), LC50, Rat 11 - 20 mg/L (4 h)

**Skin corrosion/irritation; Serious eye damage/eye irritation**

2-butoxyethanol

Skin, Rabbit (4 h)

Irritant

eyes, Rabbit (24 h)

Method: OECD 405

Irritant

**Respiratory or skin sensitisation**

2-butoxyethanol

Skin, Guinea pig:

Method: OECD 406

not sensitising.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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

**STOT-single exposure; STOT-repeated exposure**

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

**Aspiration hazard**

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

**Practical experience/human evidence**

**Overall Assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### SECTION 12: Ecological information

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

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

**12.1. Toxicity**

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**2-butoxyethanol**

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 1474 mg/L (96 h)

Method: OECD 203

Daphnia toxicity, EC50, Daphnia magna: 800 mg/L (48 h)

Algae toxicity, ErC50, Pseudokirchneriella subcapitata 911 - 1840 mg/L (72 h)

Method: OECD 201

**Long-term Ecotoxicity**

Toxicological data are not available.

**12.2. Persistence and degradability**

2-butoxyethanol

Biodegradation: 90,4 % (28 d)

**12.3. Bioaccumulative potential**

2-butoxyethanol

Partition coefficient: n-octanol/water: 0,81

**Bioconcentration factor (BCF)**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Appropriate disposal / Product Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.

Do not dispose of with domestic refuse.

**List of proposed waste codes/waste designations in accordance with EWC**

080112 waste paint and varnish other than those mentioned in 08 01 11

**Appropriate disposal / Package Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

**This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).**

**No dangerous good in sense of this transport regulation.**

**14.1. UN number**

not applicable

**14.2. UN proper shipping name**

**14.3. Transport hazard class(es)**

not applicable

**14.4. Packing group**

not applicable

**14.5. Environmental hazards**

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

**14.6. Special precautions for user**

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Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

#### **Further information**

##### **Land transport (ADR/RID)**

tunnel restriction code -

##### **Sea transport (IMDG)**

EmS-No. not applicable

#### **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

### **SECTION 15: Regulatory information**

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

##### **EU legislation**

##### **Directive 2010/75/EU on industrial emissions**

VOC-value (in g/L): 62,651

##### **Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

VOC product category: (Cat. A/i) ; VOC limit value: 140 g/l

Maximum VOC content (g/L) of the product in a ready to use condition: 62,651

##### **National regulations**

##### **Restrictions of occupation**

#### **15.2. Chemical Safety Assessment**

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

### **SECTION 16: Other information**

#### **Full text of classification in section 3:**

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.

#### **Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development



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PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Further information**

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

\* Data changed compared with the previous version