

Article No.: 80000600  
Print date: 02.11.2016  
Version: 2.0

Corti-Flex  
Revision date: 16.07.2016  
Issue date: 14.07.2016

EG  
Page 1 / 7

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

### 1.1. product identifiers

Article No. (manufacturer/supplier): 80000600  
Identification of the substance or mixture Corti-Flex

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

#### Relevant identified uses

Coating material for industrial and professional applications.

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

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

Witasek PflanzenSchutz GmbH  
Mozartstraße 1a Telephone: +43(0)4276.3230  
A-9560 Feldkirchen Telefax: +43(0)4276.2088-399

#### Dept. responsible for information:

E-mail (competent person) office@witasek.com  
Telephone: +43(0)4276.3230  
Telefax: +43(0)4276.2088-399

### 1.4. Emergency telephone number

Vergiftungsinformationszentrale Österreich: +43(0)1.4064343

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

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

### 2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

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

#### Hazard pictograms

#### Hazard statements

not applicable

#### Precautionary statements

not applicable

#### contains:

not applicable

#### Supplemental Hazard information (EU)

EUH210 Safety data sheet available on request.

### 2.3. Other hazards

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Product description / chemical characterization

Description resin combination

#### Hazardous ingredients

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

EC No.	REACH No.	Wt %
CAS No.	Chemical name	
INDEX No.	classification: // Remark	
200-578-6	01-2119457610-43	
64-17-5	Ethanol	2,5 - 5
603-002-00-5	Flam. Liq. 2 H225 / Eye Irrit. 2 H319	

#### Additional information

Full text of classification: see section 16

Article No.: 80000600  
Print date: 02.11.2016  
Version: 2.0

Corti-Flex  
Revision date: 16.07.2016  
Issue date: 14.07.2016

EG  
Page 2 / 7

#### 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. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

###### In case of inhalation

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

###### 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.

###### After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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.

##### 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

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

###### Extinguishing media which must not be used for safety reasons:

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.

##### 5.3. Advice for firefighters

Provide a conveniently located respiratory protective device.

###### Additional information

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

#### SECTION 6: Accidental release measures

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

Ventilate affected area. Do not breathe vapours. 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 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

Observe protective provisions (see chapter 7 and 8).

#### 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

Article No.: 80000600  
Print date: 02.11.2016  
Version: 2.0

Corti-Flex  
Revision date: 16.07.2016  
Issue date: 14.07.2016

EG  
Page 3 / 7

containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

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

### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

### Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

### Further information on storage conditions

Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

## 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

not applicable

#### DNEL:

Ethanol

INDEX No. 603-002-00-5 / EC No. 200-578-6 / CAS No. 64-17-5

DNEL long-term dermal (systemic), Workers: 343 mg/kg bw/day

DNEL long-term inhalative (systemic), Workers: 950 mg/m<sup>3</sup>

DNEL long-term oral (repeated), Consumer: 87 mg/kg bw/day

DNEL long-term dermal (systemic), Consumer: 206 mg/kg bw/day

DNEL long-term inhalative (systemic), Consumer: 114 mg/m<sup>3</sup>

#### PNEC:

Ethanol

INDEX No. 603-002-00-5 / EC No. 200-578-6 / CAS No. 64-17-5

PNEC aquatic, freshwater: 0,96 mg/L

PNEC aquatic, marine water: 0,79 mg/L

PNEC aquatic, intermittent release: 2,75 mg/L

PNEC sediment, freshwater: 3,6 mg/kg

PNEC sediment, marine water: 2,9 mg/kg

PNEC, Soil: 0,63 mg/kg

PNEC sewage treatment plant (STP): 580 mg/L

### 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

#### Occupational exposure controls

##### Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). 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:

Thickness of the glove material 0,4 mm Breakthrough time (maximum wearing time) 30 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 DIN EN 374

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

##### Eye protection

Wear closely fitting protective glasses in case of splashes.

##### Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Article No.: 80000600  
Print date: 02.11.2016  
Version: 2.0

Corti-Flex  
Revision date: 16.07.2016  
Issue date: 14.07.2016

EG  
Page 4 / 7

#### Protective measures

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

#### Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance:

Physical state:	liquid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not applicable
pH at 20 °C:	not applicable
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	78 °C Source: Ethanol
Flash point:	Not applicable
Evaporation rate:	not applicable
Flammability (solid, gas): burning time (s):	not applicable
Upper/lower flammability or explosive limits:	
Lower explosion limit:	1,8 Vol-%
Upper explosion limit:	15 Vol-% Source: Ethanol
Vapour pressure at 20 °C:	8,2035 mbar
Vapour density:	not applicable
Relative density: Density at 20 °C:	1,57 g/cm <sup>3</sup>
Solubility(ies): Water solubility (g/L) at 20 °C:	partially soluble
Partition coefficient: n-octanol/water:	See section 12.
Auto-ignition temperature:	425 °C Source: Ethanol

Decomposition temperature: not applicable

Viscosity at 20 °C: 16000 mPa·s

Explosive properties: not applicable

Oxidising properties: not applicable

#### 9.2. Other information

Solid content (%): 72 Wt %

solvent content:

Organic solvents: 5 Wt %

Water: 23 Wt %

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

#### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to

Article No.: 80000600  
Print date: 02.11.2016  
Version: 2.0

Corti-Flex  
Revision date: 16.07.2016  
Issue date: 14.07.2016

EG  
Page 5 / 7

chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5. Incompatible materials**

**10.6. Hazardous decomposition products**

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

**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**

Toxicological data are not available.

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

Toxicological data are not available.

**Respiratory or skin sensitisation**

Toxicological data are not available.

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

Toxicological data are not available.

**Specific target organ toxicity**

Toxicological data are not available.

**Aspiration hazard**

Toxicological data are not available.

**Practical experience/human evidence**

Other observations:

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**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.

**Remark**

There is no information available on the preparation itself .

**SECTION 12: Ecological information**

**overall evaluation**

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**

No information available.

**Long-term Ecotoxicity**

Toxicological data are not available.

**12.2. Persistence and degradability**

Toxicological data are not available.

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**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**

Article No.: 80000600  
Print date: 02.11.2016  
Version: 2.0

Corti-Flex  
Revision date: 16.07.2016  
Issue date: 14.07.2016

EG  
Page 6 / 7

### 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.

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

080112 waste paint and varnish other than those mentioned in 080111

##### packaging

##### 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

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

##### Additional information

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

tunnel restriction code

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##### Sea transport (IMDG)

EmS-No.

not applicable

##### Air transport (ICAO-TI / IATA-DGR)

#### 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): 76

##### National regulations

##### Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

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#### 15.2. Chemical Safety Assessment

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010

Article No.: 80000600  
Print date: 02.11.2016  
Version: 2.0

Corti-Flex  
Revision date: 16.07.2016  
Issue date: 14.07.2016

EG  
Page 7 / 7

**For the following substances of this preparation a chemical safety assessment has been carried out:**

EC No. CAS No.	Chemical name	REACH No.
200-578-6 64-17-5	Ethanol	01-2119457610-43

**SECTION 16: Other information**

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

Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.

**Additional 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 chapter 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.