

# Safety data sheet

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BASF Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 27.03.2020

Version: 6.0

Date previous version: 05.08.2016

Previous version: 5.1

Product: **Wolsit KD-20 C**

(ID no. 30252333/SDS\_GEN\_GB/EN)

Date of print 30.03.2020

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

### 1.1. Product identifier

## Wolsit KD-20 C

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

Relevant identified uses: wood preservative

Recommended use: wood preservative, for industrial and professional users

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

Company:

BASF Wolman GmbH  
Dr.-Wolman-Str. 31-33  
76547 Sinzheim, Germany

Contact address:

BASF plc  
PO Box 4, Earl Road, Cheadle Hulme,  
Cheadle, Cheshire  
SK8 6QG, UNITED KINGDOM

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Telephone: +44 161 485-6222

E-mail address: [product-safety-north@basf.com](mailto:product-safety-north@basf.com)

### 1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

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For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

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

Skin Corr./Irrit. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam./Irrit. 1	H318 Causes serious eye damage.
Repr. 1B	H360D May damage the unborn child.
Aquatic Acute 1	H400 Very toxic to aquatic life.
Aquatic Chronic 1	H410 Very toxic to aquatic life with long lasting effects.

For the classifications not written out in full in this section the full text can be found in section 16.

## 2.2. Label elements

### Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H360D	May damage the unborn child.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing and eye protection or face protection.

Precautionary Statements (Response):

P308 + P313	IF exposed or concerned: Get medical advice/attention.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

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

Labeling of special preparations (GHS):

EUH208: May produce an allergic reaction. Contains: propiconazole(ISO), permethrin (ISO)

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

Hazard determining component(s) for labelling: Emulsifier based on alkyl amines and carboxylic acids (confidential), propiconazole(ISO), Permethrin

### **2.3. Other hazards**

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

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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## **SECTION 3: Composition/Information on Ingredients**

### **3.1. Substances**

Not applicable

### **3.2. Mixtures**

Chemical nature

Liquid wood preservative, based on: propiconazole(ISO), Permethrin

dissolved in: Emulsifier based on alkyl amines and carboxylic acids (confidential)

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

propiconazole(ISO)

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Content (W/W): 4.5 %  
CAS Number: 60207-90-1  
EC-Number: 262-104-4  
INDEX-Number: 613-205-00-0

Acute Tox. 4 (oral)  
Skin Sens. 1  
Repr. 1B (unborn child)  
Aquatic Acute 1  
Aquatic Chronic 1  
M-factor acute: 1  
M-factor chronic: 1  
H302, H317, H360D, H400, H410

#### Permethrin

Content (W/W): 1.25 %  
CAS Number: 52645-53-1  
EC-Number: 258-067-9  
INDEX-Number: 613-058-00-2

Acute Tox. 4 (Inhalation - dust)  
Acute Tox. 4 (oral)  
Skin Sens. 1  
Aquatic Acute 1  
Aquatic Chronic 1  
M-factor acute: 1000  
M-factor chronic: 1  
H332, H302, H317, H400, H410

#### Emulsifier based on alkyl amines and carboxylic acids (confidential)

Content (W/W): >= 50 % - <= 80 %

Acute Tox. 4 (oral)  
Skin Corr./Irrit. 1B  
Eye Dam./Irrit. 1  
Aquatic Acute 1  
Aquatic Chronic 1  
H302, H314, H318, H400, H410

#### 2-ethylhexanoic acid

Content (W/W): < 5 %  
CAS Number: 149-57-5  
EC-Number: 205-743-6  
REACH registration number: 01-2119488942-23  
INDEX-Number: 607-230-00-6

Repr. 2 (unborn child)  
H361d

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

## SECTION 4: First-Aid Measures

### 4.1. Description of first aid measures

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing.

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If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **SECTION 5: Fire-Fighting Measures**

### **5.1. Extinguishing media**

Suitable extinguishing media:

foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

water jet

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

Carbon dioxide, carbon monoxide, nitrogen oxides, fumes/smoke, carbon black, corrosive gases/vapours

### **5.3. Advice for fire-fighters**

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## SECTION 6: Accidental Release Measures

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

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good industrial hygiene and safety practice.

### 6.2. Environmental precautions

Contain contaminated water/firefighting water. Do not allow to enter soil, waterways or waste water channels.

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

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

### 6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Avoid contact with the skin, eyes and clothing. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

No special precautions necessary.

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

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight. Store protected against freezing.

Frost sensitive

### 7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Components with occupational exposure limits

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57-55-6: Propane-1,2-diol

TWA value 474 mg/m<sup>3</sup> ; 150 ppm (WEL/EH 40 (UK)), Total vapour and particulates

TWA value 10 mg/m<sup>3</sup> (WEL/EH 40 (UK)), Particulate

## 8.2. Exposure controls

### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure.

### General safety and hygiene measures

Do not inhale gases/vapours/aerosols. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

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## SECTION 9: Physical and Chemical Properties

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

Form:	liquid
Colour:	yellow
Odour:	mild
Odour threshold:	No applicable information available.
pH value:	approx. 6.5 (50 g/l, 20 °C)
Melting temperature:	approx. 0 °C
boiling temperature:	approx. 100 °C
Flash point:	not applicable

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Evaporation rate:	not determined
Flammability:	not flammable
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles
Lower explosion limit:	dropped
Ignition temperature:	not determined
Vapour pressure:	not applicable
Density:	approx. 0.95 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	not determined
Solubility in water:	miscible (20 °C)
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Viscosity, dynamic:	not determined
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

## 9.2. Other information

Miscibility with water:	(20 °C) miscible in all proportions	
Flow time:	approx. 40 - 50 s (23 °C)	(DIN EN ISO 2431; 4 mm)
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

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## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

### 10.4. Conditions to avoid

See SDS section 7 - Handling and storage.

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### 10.5. Incompatible materials

Substances to avoid:  
strong oxidizing agents, strong reducing agents

### 10.6. Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity

Experimental/calculated data:  
LD50 rat (oral): > 2,000 mg/kg (OECD Guideline 401)

LD50 rat (dermal): > 2,000 mg/kg (OECD Guideline 402)

#### Irritation

Experimental/calculated data:  
Skin corrosion/irritation rabbit: Corrosive. (OECD Guideline 404)

Serious eye damage/irritation rabbit: Risk of serious damage to eyes. (OECD Guideline 405)

#### Respiratory/Skin sensitization

Experimental/calculated data:  
Buehler test guinea pig: Non-sensitizing. (OECD Guideline 406)

#### Germ cell mutagenicity

Assessment of mutagenicity:  
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Carcinogenicity

Assessment of carcinogenicity:  
Not expected to be carcinogenic (based on composition).

#### Reproductive toxicity

Assessment of reproduction toxicity:  
The results of animal studies gave no indication of a fertility impairing effect.

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#### Developmental toxicity

Assessment of teratogenicity:  
May cause harm to the unborn child.

#### Specific target organ toxicity (single exposure)

No data available.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:  
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

#### Aspiration hazard

No aspiration hazard expected.

#### Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

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## **SECTION 12: Ecological Information**

### **12.1. Toxicity**

Toxicity to fish:  
LC50 (96 h) < 10 mg/l, *Oncorhynchus mykiss* (OECD Guideline 203, semistatic)

Aquatic invertebrates:  
EC50 (48 h) < 1 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

### **12.2. Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Not readily biodegradable (by OECD criteria).

### **12.3. Bioaccumulative potential**

Assessment bioaccumulation potential:  
Accumulation in organisms is not to be expected.

### **12.4. Mobility in soil**

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Assessment transport between environmental compartments:

Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

### 12.5. Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

### 12.6. Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

### 12.7. Additional information

Other ecotoxicological advice:

The product should not be allowed to reach either sewage waters or water purification plants. The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

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## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

This material and its container must be disposed of in a safe way.  
Must be disposed of or incinerated in accordance with local regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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## SECTION 14: Transport Information

### Land transport

ADR

UN number

UN1760

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UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains ALKYLAMINE)  
Transport hazard class(es): 8, EHSM  
Packing group: II  
Environmental hazards: yes  
Special precautions for user: Tunnel code: E

#### RID

UN number: UN1760  
UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains ALKYLAMINE)  
Transport hazard class(es): 8, EHSM  
Packing group: II  
Environmental hazards: yes  
Special precautions for user: None known

#### Inland waterway transport

##### ADN

UN number: UN1760  
UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains ALKYLAMINE)  
Transport hazard class(es): 8, EHSM  
Packing group: II  
Environmental hazards: yes  
Special precautions for user: None known

#### Transport in inland waterway vessel

Not evaluated

#### Sea transport

##### IMDG

UN number: UN 1760  
UN proper shipping name: CORROSIVE LIQUID, N.O.S. (contains ALKYLAMINE)  
Transport hazard class(es): 8, EHSM  
Packing group: II  
Environmental hazards: yes  
Marine pollutant: YES  
Special precautions for user: None known

#### Air transport

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IATA/ICAO

UN number:	UN 1760
UN proper shipping name:	CORROSIVE LIQUID, N.O.S. (contains ALKYLAMINE)
Transport hazard class(es):	8
Packing group:	II
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

#### **14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

#### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

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

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

#### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

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

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

#### **Further information**

This product is subject to the most recent edition of "The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations" and their amendments (United Kingdom).

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## SECTION 15: Regulatory Information

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

#### Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 3, 30

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Biocidal Products Regulation 528/2012/EU

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

This product may be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments if specific threshold tonnages are exceeded (United Kingdom).

### 15.2. Chemical Safety Assessment

Chemical Safety Assessment not required

## SECTION 16: Other Information

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Repr.	Reproductive toxicity
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Acute Tox.	Acute toxicity
Skin Sens.	Skin sensitization
H360D	May damage the unborn child.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H332	Harmful if inhaled.
H318	Causes serious eye damage.
H361d	Suspected of damaging the unborn child.

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### Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Vertical lines in the left hand margin indicate an amendment from the previous version.