

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

## NovaTec® 10-10-20



Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	18.09.2025	M0653	Date of first issue: 18.09.2025

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

### 1.1 Product identifier

Trade name : NovaTec® 10-10-20

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

Use of the Sub- : Fertiliser  
stance/Mixture

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

Company : COMPO EXPERT GmbH  
Krögerweg 10  
D-48155 Münster

Telephone : +49 (0) 251 29 79 81 – 000

Telefax : +49 (0) 251 29 79 81 - 111

E-mail address of person : productsafety@compo-expert.com  
responsible for the SDS

### 1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h  
Telephone: +49 (0) 6132 - 84463

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

#### Additional Labelling

EUH210 Safety data sheet available on request.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Inorganic fertiliser

##### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
3,4-Dimethylpyrazole phosphate	202842-98-6 424-640-9 01-0000017109-71-0002	Acute Tox. 4; H302 Eye Irrit. 2; H319 Repr. 2; H361fd STOT RE 2; H373  Acute toxicity estimate  Acute oral toxicity: 500,05 mg/kg	$\geq 0,1 - < 1$

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General advice	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
Protection of first-aiders	: First Aid responders should pay attention to self-protection and use the recommended protective clothing If potential for exposure exists refer to Section 8 for specific personal protective equipment.
If inhaled	: If breathed in, move person into fresh air. If symptoms persist, call a physician.
In case of skin contact	: Wash off with soap and water.

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In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Obtain medical attention.

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

Symptoms : Ingestion may provoke the following symptoms:  
Methaemoglobinemia

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

Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water  
Dry chemical  
Water mist  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet  
Carbon dioxide (CO<sub>2</sub>)  
Foam  
Sand

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

Specific hazards during fire-fighting : Thermal decomposition can lead to release of irritating gases and vapours.  
Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Nitrogen oxides (NO<sub>x</sub>)  
Oxides of phosphorus  
Sulphur oxides

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
The product itself does not burn.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Avoid contact with skin, eyes and clothing.  
Wash contaminated clothing before re-use.  
Avoid breathing dust.  
For personal protection see section 8.  
For disposal considerations see section 13.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Pick up and transfer to properly labelled containers.

### 6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.  
Wear personal protective equipment.  
Keep away from combustible material.  
Keep away from heat and sources of ignition.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : No special precautions required.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash hands before eating, drinking, or smoking. Wash hands before breaks and at the end of workday.

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

Further information on storage conditions : Keep away from sources of ignition - No smoking. Keep away from direct sunlight. Protect from moisture. Protect from contamination.

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Advice on common storage : Keep away from combustible materials.  
Keep away from strong acids.  
Keep away from strong bases.  
Keep away from food, drink and animal feedingstuffs.

Storage class (TRGS 510) : 13

Further information on storage stability : Protect from frost, heat and sunlight.

### 7.3 Specific end use(s)

Specific use(s) : Not relevant

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

#### Hand protection

Material : Gloves

Guideline : Equipment should conform to EN 374

Remarks : As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

Skin and body protection : Long sleeved clothing

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.  
Equipment should conform to EN 14387

Filter type : Filter type P

Protective measures : Handle in accordance with good industrial hygiene and safety practice.  
Wash contaminated clothing before re-use.

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### SECTION 9: Physical and chemical properties

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

Physical state	:	solid
Colour	:	various
Odour	:	slight
Melting point/range	:	not determined
Boiling point/boiling range	:	not determined
Flammability	:	Will not burn
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	does not ignite
Decomposition temperature	:	> 130 °C
pH	:	4,5 - 5,5 (20 °C) Concentration: 100 g/l
Solubility(ies) Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	Not applicable

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Bulk density : 850 - 1.100 kg/m<sup>3</sup> (20 °C)

Particle characteristics  
Particle size : 2 - 4,5 mm

### 9.2 Other information

Explosives : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Self-ignition : not auto-flammable

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : None reasonably foreseeable.  
Heating can release hazardous gases.

### 10.4 Conditions to avoid

Conditions to avoid : Hot surface(s)  
Direct sources of heat.

### 10.5 Incompatible materials

Materials to avoid : Strong bases  
Organic materials  
Powdered metals

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Nitrogen oxides (NO<sub>x</sub>)  
Oxides of phosphorus  
Sulphur oxides  
ammonia

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## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

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

#### Components:

##### 3,4-Dimethylpyrazole phosphate:

Acute oral toxicity	: LD50 (Rat): > 500 mg/kg Method: OECD Test Guideline 423
Acute inhalation toxicity	: LC50 (Rat, male and female): > 5,5 mg/l Exposure time: 4 h Test atmosphere: gas Method: OECD Test Guideline 403
Acute dermal toxicity	: LD50 (Rat, male and female): > 5.000 mg/kg Method: OECD Test Guideline 402

#### Skin corrosion/irritation

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

#### Components:

##### 3,4-Dimethylpyrazole phosphate:

Species	: Rabbit
Assessment	: No skin irritation
Method	: OECD Test Guideline 404
Result	: No skin irritation

#### Serious eye damage/eye irritation

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

#### Product:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: No eye irritation
Remarks	: Based on data from similar materials

#### Components:

##### 3,4-Dimethylpyrazole phosphate:

Species	: Rabbit
Assessment	: Irritating to eyes.
Method	: OECD Test Guideline 405
Result	: Eye irritation



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## **Respiratory or skin sensitisation**

### **Skin sensitisation**

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

### **Respiratory sensitisation**

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

### **Components:**

#### **3,4-Dimethylpyrazole phosphate:**

Exposure routes	:	Skin contact
Species	:	Guinea pig
Assessment	:	Does not cause skin sensitisation.
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitisation.

Assessment	:	Does not cause respiratory sensitisation.
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## **Germ cell mutagenicity**

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

### **Components:**

#### **3,4-Dimethylpyrazole phosphate:**

Germ cell mutagenicity- Assessment	:	Weight of evidence does not support classification as a germ cell mutagen.
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## **Carcinogenicity**

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

### **Components:**

#### **3,4-Dimethylpyrazole phosphate:**

Carcinogenicity - Assessment	:	Not classifiable as a human carcinogen.
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## **Reproductive toxicity**

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

### **Components:**

#### **3,4-Dimethylpyrazole phosphate:**

Effects on fertility	:	Species: Rat, male and female Application Route: Oral Dose: 100 milligram per kilogram General Toxicity - Parent: LOAEL: 100 mg/kg body weight Fertility: LOAEL: 100 mg/kg body weight Method: OECD Test Guideline 416 Result: Embryotoxic effects and adverse effects on the offspring were detected.
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Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments., Some evidence of adverse effects on sexual function and fertility, based on animal experiments., No effects on or via lactation

## STOT - single exposure

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

### Components:

#### **3,4-Dimethylpyrazole phosphate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

## STOT - repeated exposure

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

### Components:

#### **3,4-Dimethylpyrazole phosphate:**

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

## Aspiration toxicity

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

### Components:

#### **3,4-Dimethylpyrazole phosphate:**

No aspiration toxicity classification

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **3,4-Dimethylpyrazole phosphate:**

- |  |   |
|--|---|
| Toxicity to fish   | : LC50 (Brachydanio rerio (zebrafish)): > 100 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203  |
| Toxicity to daphnia and other aquatic invertebrates                    | : EC50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h<br>Test Type: static test<br>Method: Tested according to Directive 92/69/EEC.            |
| Toxicity to algae/aquatic plants                                       | : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l<br>Exposure time: 72 h<br>Test Type: static test<br>Method: Regulation (EC) No. 440/2008, Annex, C.3 |
| Toxicity to fish (Chronic toxicity)                                    | : NOEC: >= 8,7 mg/l<br>Exposure time: 33 d<br>Species: Pimephales promelas (fathead minnow)<br>Method: OECD Test Guideline 210                                  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC: > 25 mg/l<br>Exposure time: 21 d<br>Species: Daphnia magna (Water flea)<br>Test Type: semi-static test<br>Method: OECD Test Guideline 211               |
| Toxicity to soil dwelling organisms                                    | : LC50: > 1 mg/cm2<br>Species: Eisenia fetida (earthworms)<br>Method: OECD Test Guideline 207   |

### 12.2 Persistence and degradability

#### Components:

##### **3,4-Dimethylpyrazole phosphate:**

- |                  |  |
|------------------|--|
| Biodegradability | : Remarks: Inherently biodegradable.<br>According to the results of tests of biodegradability this product is not readily biodegradable. |
|------------------|--|

### 12.3 Bioaccumulative potential

#### Components:

##### **3,4-Dimethylpyrazole phosphate:**

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Partition coefficient: n-octanol/water : log Pow: 1,26 (25 °C)  
pH: 7  
Method: Tested according to Directive 92/69/EEC.  
GLP: yes

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Components:

##### **3,4-Dimethylpyrazole phosphate:**

Assessment : Substance is not persistent, bioaccumulative, and toxic (PBT). Substance is not very persistent and very bioaccumulative (vPvB).

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Components:

##### **3,4-Dimethylpyrazole phosphate:**

Additional ecological information : Do not flush into surface water or sanitary sewer system.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not flush into surface water or sanitary sewer system. Dispose of in accordance with local regulations. Waste codes should be assigned by the user based on the application for which the product was used.

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Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADN	: Not regulated as a dangerous good
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

#### 14.2 UN proper shipping name

ADN	: Not regulated as a dangerous good
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

ADN	: Not regulated as a dangerous good
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

#### 14.4 Packing group

ADN	: Not regulated as a dangerous good
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA (Cargo)	: Not regulated as a dangerous good
IATA (Passenger)	: Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

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### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

Regulatory basis	: IMSBC Code
Remarks	: Product is not allowed to be transported in bulk.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. ammonium nitrate (ANNEX I)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

Water hazard class (Germany) : WGK 3 highly hazardous to water  
Classification according to AwSV, Annex 1 (5.2)

### 15.2 Chemical safety assessment

Not relevant

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## SECTION 16: Other information

### Full text of H-Statements

H302	: Harmful if swallowed.
H319	: Causes serious eye irritation.
H361fd	: Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	: May cause damage to organs through prolonged or repeated exposure.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Eye Irrit.	: Eye irritation
Repr.	: Reproductive toxicity
STOT RE	: Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN