Nuvelis Corevia

According to Regulation (EC) No 1907/2006, Article 31
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier:

Trade name: Corevia

UFI: U110-U0WX-A00Y-M3U5

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Product category: PC0 Other
Application of the substance / the mixture: Professional use only

1.3 Details of the supplier of the safety data sheet:
Manufacturer / Importer / Supplier:
Cindro Bereiding B.V.
Transportweg 1
1619 BG Andijk
Nederland
Tel.: +31 6 4914 9965
Email: t.verburg@cindro.nl
www.cindro.nl
Further information obtainable from: Product safety department.

1.4 Emergency telephone number:
NL- National Vergiftigingen Informatie Centrum (NVIC). Tel nr.: +31 30 274 8888 (Only available to a treating physician in case of accidental poisoning. Only for professional rescuers)
+31 6 4914 9965
This telephone number can be reached during office hours.

## SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008:

GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements:
Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.
Hazard pictograms: GHS05, GHS09
Signal word: Danger

Hazard-determining components of labelling:
Tetrahydroxysilane
Copper(II) chloride dihydrate
zinc chloride
Mangan(II)-sulfat-Monohydrat
Hazard statements:
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements:
P260 Do not breathe dusts or mists.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P273 Avoid release to the environment.

P303+P361+P353 IF ON SKIN (or hair): 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.
P310 Immediately call a POISON CENTER/doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
2.3 Other hazards:
Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description:
Mixture of substances specified below, possibly with non-hazardous additions or with components whose concentration is lower than the classification values..

| Components: | | |
|---|---|---|
| CAS: 10193-36-9<br>EINECS: 233-477-0 | Tetrahydroxysilane<br>Skin Corr. 1A, H314 | 2.5-5% |
| CAS: 10125-13-0<br>EINECS: 231-210-2 | Copper(II) chloride dihydrate<br>Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315 | ≤2.5% |
| CAS: 10034-96-5 | Mangan(II)-sulfat-Monohydrat<br>STOT RE 2, H373; Eye Dam. 1, H318; Aquatic Chronic 2, H411 | ≤2.5% |
| CAS: 7646-85-7<br>EINECS: 231-592-0<br>Index number: 030-003-00-2 | zinc chloride<br>Skin Corr. 1B, H314; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302<br>Specific concentration limit: STOT SE 3; H335: C ≥ 5 % | ≤2.5% |

Additional information: For the wording of the listed hazard phrases See section 16.

## SECTION 4: First aid measures

4.1 Description of first aid measures:
General information:
Immediately remove any clothing soiled by the product.
Take affected persons out of danger area and lay down.
After inhalation:
Remove the victim to fresh air and keep him/her at rest in a position that facilitates breathing.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact:
Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).
If skin irritation continues, consult a doctor.
After eye contact:
If possible, remove contact lenses.
Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.
After ingestion:
DO NOT INDUCE VOMITING!
Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.
4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

## SECTION 5: Firefighting measures

5.1 Extinguishing media:
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
For safety reasons unsuitable extinguishing agents: For this substance / mixture there are no limitations of extinguishing agents.
5.2 Special hazards arising from the substance or mixture: During heating or in case of fire poisonous gases are produced.
5.3 Advice for firefighters:
Protective equipment: Mouth respiratory protective device.
Additional information: Cool endangered tanks with water spray.

## SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Wear protective equipment. Keep unprotected persons away.
Avoid breathing vapor and contact with eyes, skin and clothing.
Ensure adequate ventilation
Use according to good industrial hygiene and safety procedures.
6.2 Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
6.4 Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

## SECTION 7: Handling and storage

7.1 Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid inhalation of vapors and contact with eyes, skin and clothing.
Use according to good industrial hygiene and safety procedures.
Wear appropriate personal protective equipment. (See section 8)
Information about fire and explosion protection: Keep respiratory protective device available.

7.2 Conditions for safe storage, including any incompatibilities:
Storage must comply with the local regulations.
All hazardous products are to be placed on a drip tray.
Storage:
Requirements to be met by storerooms and tanks:
Do not use light alloy receptacles.
Store only in the original receptacle.
Information about storage in one common storage facility: Do not store together with alkalis (caustic solutions).
Further information about storage conditions:
Protect from frost.
Protect from heat and direct sunlight.
7.3 Specific end use(s): No further relevant information available.

## SECTION 8: Exposure controls/personal protection

8.1 Control parameters:
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The lists valid during the making were used as basis.
8.2 Exposure controls
Appropriate engineering controls No further data; see section 7.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Respiratory protection: Not necessary if room is well-ventilated.
Hand protection


Protective gloves

Use protective gloves to EN ISO 374-1
Only use chemical-protective gloves with CE-labelling of category III.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Gloves made of Nitrile rubber, NBR
Recommended thickness of the material: 0.35 mm
Penetration time of glove material:
Value for the permeation: Level <120
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/face protection


Tightly sealed goggles

Use safety glasses that meets the requirements of EN 166; latest versions.
Body protection: Protective work clothing
Environmental exposure controls Prevent spillages from entering surface water or soil.

## SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:
General Information:

| | |
|---|---|
| Physical state | Liquid |
| Colour: | Green |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point: | Not determined. |
| Boiling point or initial boiling point and boiling range | Undetermined. |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | Not determined. |
| Upper: | Not determined. |

| | |
|---|---|
| Flash point: | Not applicable. |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined. |
| pH at 20 °C | 0.8 |
| Viscosity: | |
| Kinematic viscosity | Not determined. |
| Dynamic: | Not determined. |
| Solubility | |
| Water: | Fully miscible. |
| Refraction Index: | |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure at 20 °C: | 23 hPa |
| Density and/or relative density | |
| Density at 20 °C: | 1.1 g/cm³ |
| Relative density: | Not determined. |
| Vapour density: | Not determined. |

9.2 Other information:

| | |
|---|---|
| Appearance: | |
| Form: | Liquid. |
| Important information on protection of health and environment, and on safety. | |
| Ignition temperature: | Product is not self-igniting. |
| Explosive properties: | Product does not present an explosion hazard. |
| Oxidizing properties: | Does not contain oxidizing properties. |
| Congealing Point | |
| Evaporation rate: | Not determined. |

Information with regard to physical hazard classes

| | |
|---|---|
| Explosives | Void |
| Flammable gases | Void |
| Aerosols | Void |
| Oxidising gases | Void |
| Gases under pressure | Void |
| Flammable liquids | Void |
| Flammable solids | Void |
| Self-reactive substances and mixtures | Void |
| Pyrophoric liquids | Void |
| Pyrophoric solids | Void |
| Self-heating substances and mixtures | Void |
| Substances and mixtures, which emit flammable gases in contact with water | Void |
| Oxidising liquids | Void |
| Oxidising solids | Void |
| Organic peroxides | Void |
| Corrosive to metals | Void |
| Desensitised explosives | Void |

## SECTION 10: Stability and reactivity

10.1 Reactivity: No further relevant information available.
10.2 Chemical stability:
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions: Reacts with alkali (lyes).
10.4 Conditions to avoid: No further relevant information available.
10.5 Incompatible materials: Alkali

10.6 Hazardous decomposition products: No dangerous decomposition products known.

## 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.

| LD/LC50 values relevant for classification: | | |
|---|---|---|
| ATE (Acute Toxicity Estimates) | | |
| Oral | LD50 | 12,825 mg/kg |
| Dermal | LD10 | 48,458 mg/kg |

| 10125-13-0 Copper(II) chloride dihydrate | | |
|---|---|---|
| Oral | LD50 | 500 mg/kg (ATE) |
| Dermal | LD10 | 1,100 mg/kg (ATE) |
| 7646-85-7 zinc chloride | | |
| Oral | LD50 | 350 mg/kg (Rat) |

Primary irritant effect:
Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reprotoxicity: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
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.
Additional toxicological information:

| OSHA-Ca (Occupational Safety & Health Administration) |
|---|
| None of the ingredients is listed. |

11.2 Information on other hazards

| Endocrine disrupting properties |
|---|
| None of the ingredients is listed. |

## SECTION 12: Ecological information

12.1 Toxicity:
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability: No further relevant information available.
12.3 Bioaccumulative potential: No further relevant information available.
12.4 Mobility in soil: No further relevant information available.
12.5 Results of PBT and vPvB assessment:
PBT: Not applicable.
vPvB: Not applicable.
12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects:
Remark: Harmful to fish
Additional ecological information:
General notes:
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

## SECTION 13: Disposal considerations

13.1 Waste treatment methods:
Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contaminated packaging:
Recommendation: Disposal must be made according to official regulations.

## SECTION 14: Transport information

| | |
|---|---|
| 14.1 UN number or ID number | |
| DOT, ADR/RID/ADN, IMDG, IATA | Void |
| 14.2 UN proper shipping name: | |
| ADR/RID/ADN, IMDG, IATA | Void |
| 14.3 Transport hazard class(es): | |
| DOT, ADR/RID/ADN, IMDG, IATA | |
| Class | Void |
| 14.4 Packing group: | |
| DOT, ADR/RID/ADN, IMDG, IATA | Void |
| 14.5 Environmental hazards: | Not applicable. |
| 14.6 Special precautions for user: | Not applicable. |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |

Transport/Additional information:

| | |
|---|---|
| ADR/RID/ADN: | |
| Remarks: | > 5 l: 9 |

| | |
|---|---|
| IATA: | |
| Remarks: | > 5 l: Class 9 |
| UN "Model Regulation": | Void |

## SECTION 15: Regulatory information

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

| Section 355 (extremely hazardous substances): |
|---|
| None of the ingredient is listed. |

| Section 313 (Specific toxic chemical listings): | |
|---|---|
| 10034-96-5 | Mangan(II)-sulfat-Monohydrat |
| 7646-85-7 | zinc chloride |

Proposition 65

| Chemicals known to cause cancer: |
|---|
| None of the ingredients is listed. |

| Chemicals known to cause reproductive toxicity for females: |
|---|
| None of the ingredients is listed. |

| Chemicals known to cause reproductive toxicity for males: |
|---|
| None of the ingredients is listed. |

| Chemicals known to cause developmental toxicity: |
|---|
| None of the ingredients is listed. |

Cancerogenity categories

| EPA (Environmental Protection Agency) | | |
|---|---|---|
| 10034-96-5 | Mangan(II)-sulfat-Monohydrat | D |
| 7646-85-7 | zinc chloride | D, I, II |

| TLV (Threshold Limit Value) |
|---|
| None of the ingredients is listed. |

| NIOSH-Ca (National Institute for Occupational Safety and Health) |
|---|
| None of the ingredients is listed. |

Directive 2012/18/EU:
Named dangerous substances - ANNEX I: None of the ingredients are listed.
Seveso category: E1 Hazardous to the Aquatic Environment
Qualifying quantity (tonnes) for the application of lower-tier requirements: 100 t
Qualifying quantity (tonnes) for the application of upper-tier requirements: 200 t
REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3

| DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II |
|---|
| None of the ingredients is listed. |

REGULATION (EU) 2019/1148

| Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) |
|---|
| None of the ingredients is listed. |

| Annex II - REPORTABLE EXPLOSIVES PRECURSORS |
|---|
| None of the ingredients is listed. |

| Regulation (EC) No 273/2004 on drug precursors |
|---|
| None of the ingredients is listed. |

| Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors |
|---|
| None of the ingredients is listed. |

National regulations: Not applicable

Water hazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

Relevant phrases:
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
Training hints: Take care of good information, instruction and training for users.
Abbreviations and acronyms:
ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (Division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
EC50: Effective Concentration, 50 percent
IOELVS: Indicative Occupational Exposure Limit Values
mPa.s: milliPascal per second
ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

References:

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)
See also the internet site: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database

Disclaimer:

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