



## SAFETY DATA SHEET

## NT DECO

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	01.05.2017
Revision date	13.02.2020

### 1.1. Product identifier

Product name	NT DECO
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### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / preparation	Fire retardant wood stain for interior/external use.
Main intended use	PC-CON-5 Construction chemicals
Secondary uses	PC-PNT-3 Paints/coatings - Protective and functional PC-PNT-6 Factory-applied coatings (excludes categories already covered)
Industrial use	Yes
Professional use	Yes
Consumer use	No

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

Company name	Nordtreat Finland Oy
Office address	Timpurinkuja 5
Postcode	FI-06150
City	Porvoo
Country	Finland
Telephone number	+358 20 730 9330
Email	<a href="mailto:info@nordtreat.com">info@nordtreat.com</a>
Enterprise No.	FI-2927144-5

### 1.4. Emergency telephone number

Emergency telephone	Telephone number: +358 800 147 111 or +358 9 471 977 Open 24 hours a day.
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Identification, comments	Description: Poison Information Centre (in Finland), P.O. Box 790 (Tukholmankatu 17), 00029 HUS
	Telephone number: 112 Open 24 hours a day. Description: Emergency telephone number (in Finland)
	Please contact the Emergency Centre in your own country, e.g. 112 in European Union countries.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLP classification, notes	In accordance with CLP/GHS regulation (EC) No 1272/2008, the product has not been classified as hazardous.
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### 2.2. Label elements

Other label information (CLP)	No labeling. In accordance with current regulations, this product has not been classified as hazardous.
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### 2.3. Other hazards

PBT / vPvB	For results of PBT and vPvB assessment, see point 12.5.
Other hazards	None reported.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
N-(1,1-dimethylethyl) bis(2-benzothiazolesulfen) amide	CAS No.: 3741-80-8 EC No.: 407-430-1 Index No.: 613-180-00-6	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,25 %	
Silver nitrate	CAS No.: 7761-88-8	Ox. Sol. 2; H272 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0,001 %	2

<sup>2</sup>Substance with a workplace exposure limit

Description of the mixture	Aqueous solution. The product contains potassium derivates, binders, stain pigments and additives which are either not classified as hazardous or their concentrations are below the reporting limits.
Substance comments	The full text for all hazard statements are displayed in point 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	If the situation is unclear or symptoms persist, seek medical attention. Show this
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	safety data sheet, product container or label to the doctor in attendance.
Inhalation	If inhaled, move exposed person to fresh air and keep at rest.
Skin contact	Wash contaminated skin thoroughly with water and soap.
Eye contact	Flush eyes with plenty of water for several minutes.
Ingestion	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

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

Acute symptoms and effects	None known.
Delayed symptoms and effects	None known.

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

Other information	No specific instructions. Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
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#### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	The product is not flammable.
Hazardous combustion products	Combustion of the product may form smoke, carbon monoxide, carbon dioxide and other products of incomplete combustion.

#### 5.3. Advice for firefighters

Personal protective equipment	Wear appropriate protective equipment and self-contained breathing apparatus.
Fire fighting procedures	Fight fire with normal precautions from a reasonable distance. Avoid breathing fire vapours.
Other information	Take care of fire waste and contaminated extinguishing water in accordance with local regulations.

### SECTION 6: Accidental release measures

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

General measures	Stop leak if safe to do so. Ventilate area.
Personal protection measures	Wear appropriate personal protective equipment.

#### 6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment.
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#### 6.3. Methods and material for containment and cleaning up

Clean up

Absorb spill with inert material (e.g. sand, diatomaceous earth, commercial absorbent) and collect in labeled, tightly sealed containers for disposal. Ventilate the area. Rinse residues with water.

## 6.4. Reference to other sections

Other instructions

Safe handling: see point 7.  
 Personal protective equipment: see point 8.  
 Waste disposal: see point 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling

Ensure adequate ventilation. Avoid contact with skin or eyes. Use appropriate personal protective equipment while handling the product (see point 8).

### Protective safety measures

Advice on general occupational hygiene

Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of workday. Wash contaminated clothes before reuse.

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

Storage

Store away from food, drink and animal feedstuffs.

Conditions to avoid

For incompatible materials see point 10.5.

### Conditions for safe storage

Technical measures and storage conditions

Store in a well-ventilated area. Store protected from direct sunlight.

Storage temperature

Value: 5 - 35 °C

### 7.3. Specific end use(s)

Specific use(s)

None reported.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Silver nitrate	CAS No.: 7761-88-8	Country of origin: EU IOELV Limit value (8 h) : 0,01 mg/ m <sup>3</sup> Comments: Silver (soluble compounds as Ag) Country of origin: United States Limit value (8 h) : 0,01 mg/ m <sup>3</sup> Source: ACGIH, NIOSH	

## DNEL / PNEC

DNEL

Comments: DNEL/PNEC: Chemical safety assessment has not been performed for the product, no information available about ingredients.

## 8.2. Exposure controls

### Safety signs



## Precautionary measures to prevent exposure

Technical measures to prevent exposure

Ensure adequate ventilation.

## Eye / face protection

Suitable eye protection

Use tight-fitting safety goggles (EN 166).

## Hand protection

Suitable gloves type

Wear appropriate chemical resistant safety gloves (EN 374). Contact glove manufacturer for specific advice on glove selection.

Breakthrough time

Comments: Break-through time must be found out by manufacturer of the protective gloves and must be observed.

Hand protection, comments

Follow the manufacturer's instructions in the use of protective gloves.

## Skin protection

Suitable protective clothing

Wear appropriate chemical-resistant, impervious protective clothing.

## Respiratory protection

Respiratory protection necessary at

In case of inadequate ventilation wear respiratory protection.

## Appropriate environmental exposure control

Environmental exposure controls

No special precautions required.

## SECTION 9: Physical and chemical properties

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

Form

Liquid

Colour

Varying. Depends on stain pigments.

Odour

Odourless or mild odor.

Odour limit

Comments: Not relevant.

pH

Status: In aqueous solution

	Value: 6,8 - 7,3
Melting point / melting range	Comments: Unknown.
Boiling point / boiling range	Comments: Unknown.
Flash point	Comments: Not flammable.
Evaporation rate	Comments: Unknown.
Explosion limit	Comments: Unknown.
Vapour pressure	Comments: Unknown.
Vapour density	Comments: Unknown.
Density	Value: 1,1 - 1,15 g/cm <sup>3</sup> Temperature: 20 °C
Solubility	Medium: Water Comments: Water-soluble.  Medium: Water Value: 0.0029 mg/l Comments: N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide Temperature: 20 °C
Partition coefficient: n-octanol/ water	Comments: Unknown.
Spontaneous combustability	Comments: Not self-igniting.
Decomposition temperature	Comments: Unknown.
Viscosity	Comments: Unknown.
Explosive properties	Not classified as explosive.
Oxidising properties	Not classified as oxidising.

## 9.2. Other information

### Other physical and chemical properties

Comments None reported.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity Not reactive under normal use and storage conditions.

### 10.2. Chemical stability

Stability Chemically stable under normal storage conditions.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No dangerous reactions under normal use and storage conditions.

### 10.4. Conditions to avoid

Conditions to avoid	None known.
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## 10.5. Incompatible materials

Materials to avoid	No known incompatible materials.
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## 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products known.
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# SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Substance	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide
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Acute toxicity	<p><b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> &gt; 5000 mg/kg  <b>Animal test species:</b> Rat</p> <p><b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Value:</b> &gt; 2000 mg/kg  <b>Animal test species:</b> Rabbit</p>
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Substance	Silver nitrate
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Acute toxicity	<p><b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Method:</b> OECD 401  <b>Duration:</b> 14 day(s)  <b>Value:</b> &gt; 2000 mg/kg bw  <b>Animal test species:</b> Rat</p> <p><b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Method:</b> OECD 402  <b>Duration:</b> 24 hour(s)  <b>Value:</b> &gt; 2000 mg/kg  <b>Animal test species:</b> Rat</p> <p><b>Effect tested:</b> LC50  <b>Route of exposure:</b> Inhalation.  <b>Method:</b> OECD 403  <b>Duration:</b> 4 hour(s)  <b>Value:</b> &gt; 0,75 mg/l  <b>Animal test species:</b> Rat</p>
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Other toxicological data	There is no toxicological data available about the product as such. The product is not classified as acutely toxic.
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## Other information regarding health hazards

Assessment of skin corrosion / irritation, classification	The product is not classified as irritant or corrosive to skin.
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Assessment of eye damage or irritation, classification	The product is not classified as damaging or irritating to eyes. However, may slightly irritate eyes.
Sensitisation	The product is not classified as a respiratory or skin sensitiser.
Mutagenicity	The product is not classified as a mutagen.
Assessment of carcinogenicity, classification	The product is not classified as a carcinogen.
Reproductive toxicity	The product is not classified as toxic to reproduction.
Assessment of specific target organ toxicity - single exposure, classification	The product is not classified as toxic to specific target organs at a single exposure.
Assessment of specific target organ toxicity - repeated exposure, classification	The product is not classified as toxic to specific target organs at repeated exposure.
Assessment of aspiration hazard, classification	The product is not classified as an aspiration hazard.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide
Aquatic toxicity, fish	<p><b>Toxicity type:</b> Acute</p> <p><b>Value:</b> &gt; 2,7 mg/l</p> <p><b>Effect dose concentration :</b> LC50</p> <p><b>Test duration:</b> 96 hour(s)</p> <p><b>Species:</b> Pimephales promelas</p> <p><b>Comments:</b> Due to low water solubility, the substance is expected to be non-toxic to fish up to the limits of its solubility.</p>
Substance	Silver nitrate
Aquatic toxicity, fish	<p><b>Toxicity type:</b> Acute</p> <p><b>Value:</b> 1,2 µg/l</p> <p><b>Effect dose concentration :</b> LC50</p> <p><b>Test duration:</b> 96 hour(s)</p> <p><b>Species:</b> Pimephales promelas</p> <p><b>Method:</b> Semi-static system, fresh water</p>
Substance	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide
Aquatic toxicity, algae	<p><b>Toxicity type:</b> Acute</p> <p><b>Value:</b> &gt; 0,87 mg/l</p> <p><b>Effect dose concentration :</b> EC50</p> <p><b>Test duration:</b> 96 hour(s)</p> <p><b>Species:</b> Pseudokirchneriella subcapitata</p> <p><b>Comments:</b> Due to low water solubility, the substance is expected to be non-toxic to algae up to the limits of its solubility.</p>
Substance	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide
Aquatic toxicity, crustacean	<p><b>Toxicity type:</b> Acute</p> <p><b>Value:</b> 5 µg/l</p> <p><b>Effect dose concentration :</b> EC50</p> <p><b>Test duration:</b> 48 hour(s)</p>



	<b>Species:</b> Daphnia magna
Ecotoxicity	There is no ecotoxicological data available about the product as such. The product is not classified as hazardous to the environment. Avoid release to the environment.

## 12.2. Persistence and degradability

Persistence and degradability description/evaluation	The degradability of the product has not been stated.
Substance	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide
Biodegradability	<b>Value:</b> 0 % <b>Test period:</b> 28 day(s) <b>Parameter:</b> Oxygen depletion

## 12.3. Bioaccumulative potential

Substance	N-(1,1-dimethylethyl)bis(2-benzothiazolesulfen)amide
Bioconcentration factor (BCF)	<b>Value:</b> < 0,8 <b>Comments:</b> log Kow 6,7 (pH ~7, 20 °C) Low potential for bioaccumulation.
Substance	Silver nitrate
Bioconcentration factor (BCF)	<b>Value:</b> 70 <b>Animal test species:</b> Cyprinus carpio <b>Method:</b> Static system, fresh water <b>Comments:</b> Log Pow 0,19
Bioaccumulation, evaluation	Product: No data recorded.

## 12.4. Mobility in soil

Mobility	No data available.
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## 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Chemical safety assessment has not been performed for the product. This product does not contain any PBT or vPvB substances.
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## 12.6. Other adverse effects

Additional ecological information	None reported.
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# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Recycle, if practical. Small quantities may be disposed of with household sewage. Larger volumes must be sent to approved plant for destruction.
EWC waste code	Classified as hazardous waste: No
Other information	Dispose of in compliance with local and national regulations.

## SECTION 14: Transport information

### 14.1. UN number

Comments Not classified as hazardous for transport [ADR (road), RID (rail), ADN (inland waterways) and IMDG (sea)].

### 14.2. UN proper shipping name

### 14.3. Transport hazard class(es)

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

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

Transport in bulk (yes/no) No

## SECTION 15: Regulatory information

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

Legislation and regulations No specific regulations.

### 15.2. Chemical safety assessment

Chemical safety assessment performed No

## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3) H272 May intensify fire; oxidiser.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

CLP classification, notes The classification is based on the calculation method in accordance with Regulation (EC) No 1272/2008 [CLP / GHS].

Training advice Read safety data sheet.

Key literature references and sources for data Product specifications by manufacturer  
SDSs for product components  
Previous version of the SDS (12.12.2018)  
Classification and Labelling Inventory (ECHA)

Abbreviations and acronyms used ACGIH: American Conference of Governmental Industrial Hygienists  
BCF: Bioconcentration factor  
DNEL: Derived No-Effect Level  
EC50: Effective concentration: concentration which kills or immobilises 50 % of

	<p>exposed organisms</p> <p>IOELV: Indicative Occupational Exposure Limit Value</p> <p>LC50: Lethal concentration 50 % (median lethal concentration): concentration which kills 50 % of exposed organisms</p> <p>LD50: Lethal dose 50 % (median lethal dose): dose which kills 50 % of exposed organisms</p> <p>Log Kow: n-octanol/water partition coefficient.</p> <p>NIOSH: National Institute for Occupational Safety and Health</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No-Effect Concentration</p> <p>vPvB: very Persistent and very Bioaccumulative substance.</p> <p>TWA: Time-weighted average</p>
Revision justification	Change in composition of the mixture (addition, deletion, substitution of component).
Information added, deleted or revised	<p>13.02.2020 Composition of the product changed. Labelling changed.</p> <p>23.12.2019 Contact information updated.</p> <p>10.12.2019 Composition of the product changed. Phrase EUH 208 added. Layout revision.</p> <p>12.12.2018 Layout revision.</p>
Last update date	13.02.2020
Version	6
Prepared by	Sweco AB.
Comments	The information of this safety data sheet is based on existing public information sources, such as current legislation, available at the time of publication of the completed safety data sheet, and information on the Customer's products that has been provided by the Customer to Sweco. The Customer is responsible that the information provided to Sweco is accurate and up to date.