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SAFETY DATA SHEET

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This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Product Name: Flocrete Antifreeze Plus
- Other means of Identification
- UFI: 1081-R8FJ-K00H-EG8G
- Product Part Number: C07/01/08/038

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

- Use of the substance/mixture: Set accelerating and antifreeze admixture for concrete poured at low temperatures.

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

- Name of Supplier: Don Construction Chemicals SRL
- Address of Supplier: Str. Dârzei II, no. 235D, Village Mănăstirea Crevedia, County Dâmbovita România
- Telephone: +40 21 369 5738
- Fax: +40 21 369 5737
- Email: Info.romania@dcp-int.com

**1.4 Emergency telephone number**

- Emergency Telephone: +40 21 369 5738 (available during work hours)

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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

- CLP: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3, Skin Sens. 1

**2.2 Label elements**

- Signal Word: Danger

**Hazard statements**

- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.

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**SECTION 2: Hazards identification (....)**

EUH208 - Contains oththilnone (ISO); 2-octyl-2H-isothiazol-3-one; [OIT]. May produce an allergic reaction.

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P270 - Do not eat, drink or smoke when using this product.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P310 - Immediately call a POISON CENTER or doctor/physician.

P273 - Avoid release to the environment.

P264 - Wash hands thoroughly after handling.

**2.3 Other hazards**

- Contains: Nitric acid, ammonium calcium salt  
oththilnone (ISO); 2-octyl-2H-isothiazol-3-one; [OIT]

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Triisobutyl phosphate**

CAS Number:	126-71-6
EC Number:	204-798-3
Concentration:	0 - 1%
Categories:	Skin Sens. 1B, Aquatic Acute 3
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available
Symbols:	GHS07
H Statements:	H317;H412

**Formaldehyde-naphthalenesulfonic acid condensate sodium salt**

CAS Number:	9084-06-4
EC Number:	618-665-6
Concentration:	5 - 15%
Categories:	Skin Irrit. 2, Eye Irrit. 2
Specific Concentration Limits:	No information available
M factor:	No information available
Acute toxicity estimate:	Not available

Created: 4 May 2025

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**SECTION 3: Composition/information on ingredients (....)**

Symbols: GHS07  
H Statements: H315, H319

Nitric acid, ammonium calcium salt

CAS Number: 15245-12-2  
EC Number: 239-289-5  
Concentration: 30 - 50%  
Categories: Acute Tox. 4, Eye Dam. 1  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: GHS05, GHS07  
H Statements: H302, H318

(ethylenedioxy)dimethanol

CAS Number: 3586-55-8  
EC Number: 222-720-6  
Concentration: < 0.5%  
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: GHS05, GHS07  
H Statements: H302, H315, H318

ethanediol; ethylene glycol

CAS Number: 107-21-1  
EC Number: 203-473-3  
Concentration: < 0.05%  
Categories: Acute Tox. 4, STOT RE 2  
Specific Concentration Limits: No information available  
M factor: No information available  
Acute toxicity estimate: Not available  
Symbols: GHS07, GHS08  
H Statements: H302, H373

octhlinone (ISO); 2-octyl-2H-isothiazol-3-one; [OIT]

CAS Number: 26530-20-1  
EC Number: 247-761-7  
Concentration: < 0.05%  
Categories: Acute Tox. 2, Acute Tox. 3, Repr. Cat. 3, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1  
Specific Concentration Limits: Skin Sens. 1A; : C ≥ ,0015 %  
M factor: 100;100

Created: 4 May 2025

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**SECTION 3: Composition/information on ingredients (....)**

Acute toxicity estimate:	Not available
Symbols:	GHS06, GHS05, GHS09
H Statements:	H330, H311, H301, H314, H318, H317, H400, H410
M factor, acute:	100
M factor, chronic:	100

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**SECTION 4: First aid measures****4.1 Description of first aid measures****Inhalation**

Remove person to fresh air and keep comfortable for breathing.  
Apply artificial respiration only if patient is not breathing  
If breathing is difficult, oxygen should be given by a trained person  
Get medical advice/attention.

**Contact with skin**

May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Contact with eyes**

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek immediate medical attention  
Continue flushing with water until medical help arrives

**Ingestion**

Do not induce vomiting  
Never give anything by mouth to an unconscious person  
Seek immediate medical attention

**4.2 Most important symptoms and effects, both acute and delayed****Contact with eyes**

Causes serious eye damage.

**Contact with skin**

May cause an allergic skin reaction.

**Inhalation**

Causes dizziness, confusion, headache or stupor  
Causes unconsciousness

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

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## SECTION 4: First aid measures (....)

- Treat symptomatically
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

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

- May give off noxious and toxic fumes in a fire
- Decomposition products may include nitrogen and carbon oxides

### 5.3 Advice for firefighters

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
  - Wear self contained breathing apparatus and full protective clothing
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## SECTION 6: Accidental release measures

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

- Avoid contact with skin and eyes
- Wear protective clothing as per section 8

### 6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses

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

- Soak up with inert absorbent
- Sweep or shovel-up spillage and remove to a safe place
- Place in appropriate container

### 6.4 Reference to other sections

- For personal protection see section 8
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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Eyewash bottles should be available
- Do not wear contact lenses when working with this material
- Dispose of contents/container to an authorised waste collection point
- Avoid contact with skin and eyes
- Wash thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.

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

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## SECTION 7: Handling and storage (....)

- Keep only in the original container at a temperature not exceeding 50 °C
- Keep container tightly closed.

### 7.3 Specific end use(s)

- No information available

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

- There are no recommended or established controls for this product

### 8.2 Exposure controls



- Avoid contact with skin and eyes
- Do not eat, drink or smoke when using this product.
- Keep away from food, drink and animal feedingstuffs
- Wash hands thoroughly after using this substance
- Wear suitable protective clothing, eye/face protection and gloves

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |                              |                               |
|------------------------------|-------------------------------|
| - Physical state:            | Liquid                        |
| - Colour:                    | Brown                         |
| - Odour:                     | Characteristic odour          |
| - Melting point/Range:       | Not available                 |
| - Boiling Point/Range:       | No information available      |
| - Flammability:              | No information available      |
| - Lower explosive limit:     | NA% (in air)                  |
| - Upper explosive limit:     | NA% (in air)                  |
| - Flashpoint:                | >93°C                         |
| - Autoignition Temperature:  | NA                            |
| - Decomposition temperature: | NA                            |
| - pH:                        | 5 - 7                         |
| - Kinematic viscosity:       | NA mm <sup>2</sup> /s         |
| - Solubility:                | NA                            |
| - Vapour Pressure:           | Not available                 |
| - Density:                   | 1.35 ± 0.02 g/cm <sup>3</sup> |
| - Vapour Density:            | Not available                 |
| - Particle characteristics:  | NA                            |

### 9.2 Other information

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## SECTION 9: Physical and chemical properties (....)

### 9.2.1 Information with Regard to Physical Hazard Classes

No Information Available

### 9.2.2 Other Safety Characteristics

No Information Available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- Keep at temperature not exceeding 50 °C

### 10.5 Incompatible materials

- Incompatible with acids and alkalis

### 10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- LC<sub>50</sub> (inhalation, rat): > 20 mg/l/4h (gas/vapour)
- LD<sub>50</sub> (dermal, rabbit): > 4000 mg/kg
- LD<sub>50</sub> (oral, rat): 1315.79

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

No Information Available

#### 11.2.2 Information on other hazards

No Information Available

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## SECTION 12: Ecological information

### 12.1 Toxicity

- No information available

Formaldehyde-naphthalenesulfonic acid condensate sodium salt

EC<sub>50</sub> (daphnia): >100 mg/l (48 hr)

### 12.2 Persistence and degradability

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## SECTION 12: Ecological information (....)

- No information available
  - 12.3 Bioaccumulative potential
    - No information available
  - 12.4 Mobility in soil
    - miscible with water
  - 12.5 Results of PBT and vPvB assessment
    - No information available
  - 12.6 Endocrine disrupting properties
    - No information available
  - 12.7 Other adverse effects
    - No information available
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## SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
    - Disposal should be in accordance with local, state or national legislation
    - Avoid release to the environment. Refer to special instructions/Safety data sheets
    - Do not empty into drains - dispose of this material and container in a safe way
    - Dispose of contents/container to an authorised waste collection point
- 

## SECTION 14: Transport information

- 14.1 Air (ICAO/IATA)
    - Not classified as hazardous for transport
  - 14.2 Road/Rail (ADR/RID)
    - Not classified as hazardous for transport
  - 14.3 Sea (IMDG)
    - Not classified as hazardous for transport
  - 14.4 Environmental hazards
    - No information available
  - 14.5 Special precautions for user
    - No information available
    - Tunnel Bulk Restriction Codes: D
  - 14.6 Transport in bulk according to Annex II of Marpol and the IBC Code
    - No information available
  - 14.7 Maritime transport in bulk according to IMO instruments
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**SECTION 14: Transport information (....)**

- No information available
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**SECTION 15: Regulatory information**

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

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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**SECTION 16: Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H301: Toxic if swallowed. H302: Harmful if swallowed. H311: Toxic in contact with skin. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H330: Fatal if inhaled. 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. H412: Harmful to aquatic life with long lasting effects.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.

--- end of safety datasheet ---

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