

FINNSONIC CAVITEC DISCO

Date 10.11.2015

Previous date: 21.9.2015

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
- 1.1.1 Commercial Product Name**
FINNSONIC CAVITEC DISCO
- 1.1.2 Product code**
423057,423058
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- 1.2.1 Recommended use**
A strong acid detergent with foam for food industry.
- 1.3 Details of the supplier of the safety data sheet**
- 1.3.1 Supplier**
- | | |
|---------------------------------|---------------------|
| | FinnSonic Oy |
| Street address | Parikankatu 8 |
| Postcode and post office | 15170 LAHTI |
| Telephone | (03) 883030 |
| Telefax | (03) 8830 330 |
| Business ID | 1081076-0 |
| Email | sales@finnsonic.com |
- 1.4 Emergency telephone number**
- 1.4.1 Telephone number, name and address**
Poison advisory center in Finland: +358 9 471 977

SECTION 2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
1272/2008 (CLP)
Skin Corr. 1B, H314
67/548/EEC - 1999/45/EC
C; R34
- 2.2 Label elements**
1272/2008 (CLP)
GHS05
- | | |
|---------------------------------|--|
| Signal word | Danger |
| Hazard Statements | |
| H314 | Causes severe skin burns and eye damage. |
| Precautionary Statements | |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P313 | Get medical advice/attention. |
| P501 | Dispose of contents/container to [in accordance with local regulations]. |
- 2.3 Other hazards**

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

- 3.2 Mixtures**
- | Hazardous components | CAS/EC and EINECS Reg.number | Chemical name of the substance | Concentration Classification |
|----------------------|------------------------------|--------------------------------|------------------------------|
|----------------------|------------------------------|--------------------------------|------------------------------|

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7664-38-2	231-633-2	Phosphoric acid	35 %	C; R34; Skin Corr. 1B, H314
85117-49-3		Dodecylbenzenesulphonic acid	1 - 5 %	C, Xn; R22-34 Acute Tox. 4 (oral), H302; Skin Corr. 1B, H314; Aquatic Chronic 3, H412
69011-36-5		Isotridecanol etoxylate, polymer	1 - 5 %	Xn; R22-41 Acute Tox. 4 (oral), H302; Eye Dam. 1, H318
85711-69-9		Secondary Alkanesulphonate sodium salt	1 - 5 %	Xi; R22,38, 41 Acute Tox. 4 (oral), H302; Skin Irrit. 2, H315; Eye Dam. 1, H318
5329-14-6	226-218-8	sulfamic acid	1 - 5 %	Xi; R36/38; R52-53; Eye Irrit. 2, H319; Skin Irrit. 2, H315; Aquatic Chronic 3, H412

SECTION 4. FIRST AID MEASURES**4.1 Description of first aid measures**

-

4.1.2 Inhalation

Move to fresh air. Consult a physician.

4.1.3 Skin contact

Take off all contaminated clothing immediately. Wash off immediately with plenty of water.

4.1.4 Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.1.5 Ingestion

Drink 1 or 2 glasses of water. Do not induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns.

4.3 Indication of immediate medical attention and special treatment needed

Treatment according to symptoms.

SECTION 5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**water, foam, carbon dioxide (CO₂), dry powder .**5.1.2 Extinguishing media which must not be used for safety reasons**

A direct water jet not to be used.

5.2 Special hazards arising from the substance or mixture

When burned the product develops hazardous and corrosive fumes.

5.3 Advice for firefighters

Overalls for chemicals. Aqualung or comparable breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Keep people away from and upwind of spill/leak. Use personal protective equipment.

6.2 Environmental precautions

Should not be let undiluted to environment or drain.

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- 6.3 Methods and materials for containment and cleaning up**
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- 6.4 Reference to other sections**
See chapter 8.

SECTION 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
wear personal protective equipment Handle and open container with care.
Not to be mixed up with agents containing chlorine.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep in a dry, cool and well-ventilated place.Keep separately away from agents that react with acids.Keep tightly closed.
- 7.3 Specific end use(s)**
-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Threshold limits**
- | | | |
|-----------------|---------------------------|------------------------------|
| Phosphoric acid | 1 mg/m ³ (8 h) | 2 mg/m ³ (15 min) |
|-----------------|---------------------------|------------------------------|
- 8.1.4 DNELs**
No information available
- 8.1.5 PNECs**
No information available
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Avoid contact with the skin and the eyes.
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
Breathing apparatus with filter. Type P2.
- 8.2.2.2 Hand protection**
Protective gloves complying with EN 374. Polyvinyl alcohol or nitrile-butyl rubber gloves.
- 8.2.2.3 Eye/face protection**
tightly fitting safety goggles,face-shield
- 8.2.2.4 Skin protection**
To protect against splashes from pouring apron, protective suit,boots.
- 8.2.3 Environmental exposure controls**
Do not allow material to contaminate ground water system.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Important Health Safety and Environmental Information**
- 9.1.1 Appearance**
clear,colourless liquid
- 9.1.4 pH** 0,5
- 9.1.6 Initial boiling point and boiling range** -
- 9.1.7 Flash point** -
- 9.1.10 Explosive properties**
- 9.1.10.1 Lower explosion limit** -
- 9.1.10.2 Upper explosion limit** -

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9.1.11	Vapour pressure	-
9.1.13	Relative density	1,23 kg/dm ³
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	completely soluble
9.1.14.2	Fat solubility (solvent - oil to be specified)	-
9.1.15	Partition coefficient: n-octanol/water	-
9.2	Other information	-

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
Incompatible with strong bases and oxidising agents
- 10.2 Chemical stability**
Stable at normal conditions.
- 10.3 Possibility of hazardous reactions**
Incompatible with strong bases and oxidising agents. Develops toxic chlorine gas when in contact with substances containing chlorine.
- 10.4 Conditions to avoid**
Heating can release hazardous gases.
- 10.5 Incompatible materials**
bases, halogenated compounds, organic materials, combustible material, reducing agents.
- 10.6 Hazardous decomposition products**
Toxic phosphoric compounds may be developed at the decomposition of the product.

SECTION 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
LD50/oral/rat= 1530 mg/kg phosphoric acid
- 11.1.2 Irritation and corrosion**
Causes severe skin burns and eye damage. Inhalation of mist causes irritation of respiratory system.
- 11.1.3 Sensitisation**
n.v.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
n.v.
- 11.1.5 STOT-single exposure**
The product causes irritation of eyes, skin and mucous membranes.

SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
No information available.
- 12.1.2 Toxicity to other organisms**
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- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
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- 12.2.2 Chemical degradation**
See chapter 10.

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- 12.3 Bioaccumulative potential**
n.v.
- 12.4 Mobility in soil**
Because the product is water-soluble, it can spread in the soil.
- 12.5 Results of PBT and vPvB assessment**
No information available.
- 12.6 Other adverse effects**
No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Small amounts should be diluted with plenty of water. Large amounts to be neutralized with bases. Materials can be transported/delivered by a registered waste carrier to plastics recycling facilities after cleaning.

SECTION 14. TRANSPORT INFORMATION

	Land transport ADR/RID	Sea transport IMDG/IMO
14.1 UN number	UN1805	UN1805
14.2 UN proper shipping name	FOSFORIHAPPOLIUSOS	PHOSPHORIC ACID SOLUTION
14.3 Transport hazard class(es)	8	IMO Class 8
14.4 Packing group	III	PGIII
14.5 Environmental hazards		
Other information	LQ,423057	LTD QTY,423057

- 14.6 Special precautions for users**
Not to be mixed with agents containing chlorine.
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
No information available

SECTION 15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
-
- 15.2 Chemical safety assessment**
-

SECTION 16. OTHER INFORMATION

- 16.3 Key literature references and sources for data**
Safety Data Sheets of rawmaterials.
This MSDS is based on currently valid laws and regulations.

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16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

R22	Harmful if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

Look at label or leaflet.