

Material Data Safety Sheet

Date prepared: 2008-09-08
Revision date: 2010-03-31

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Tray Cleaner

Supplier: Directa AB, Box 723, 194 27 Upplands Väsby
Tel. +46-8-506 505 75 Fax. +46-8-590 306 30
E-mail: info@directadental.com

Application: Cleaning powder

2. HAZARDS IDENTIFICATION



Irritating to eyes.

Irritating

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC-no	CAS	Wt %	Danger symbols, R-phrases
Sodium tripolyphosphate	231-838-7	7758-29-4	>30	
Sodium carbonate	207-838-8	497-19-8	>30	Xi / R36
Fatty alcoholethoxylate/propoxilate		68154-97-2	<5	

4. FIRST AID MEASURES

Inhalation: Fresh air. Rinse mouth and nose with water. Seek medical advise if problems persist.

Skin contact: Flush with plenty of water.

Eye contact: Immediately flush with plenty of water for 15-30 minutes, while holding eye lids widely apart. Seek medical advice..

Ingestion: Drink a few glasses of milk or water. Seek advice at hospital if a considerable amount has been swallowed.

5. FIRE FIGHTING MEASURES

Fire and explosion risk: The product is non-inflammable

Protection measures: Move container from fire

Suitable distinguishing media: Foam, powder or carbon dioxide

Hazardous combustion products: None known of

6. ACCIDENTAL RELEASE MEASURES

Prevent considerable amounts of the product to run off into streams, groundwater or drains. Small amounts can be washed off with water. Considerable amount must be collected and handed in for destruction according to local regulations.

7. HANDLING AND STORAGE

When handling, prolonged direct contact with concentrate should be avoided. Store in closed bottle at room temperature or somewhat cooler.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Preventative measures:	Do not cause unnecessary dust due to careless handling.
Inhalation protection:	Normally not needed.
Hand protection:	No need for protective gloves under normal use, but they are promptly recommended if the user is in prolonged/repeated contact with the powder.
Eye protection:	Normally no need. Wear safety goggles when there is a risk for eye contact.
Skin protection:	No need under normal use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Particulate
Colour and odour:	White and almost odourless
pH-value (working solution):	about 11,2
Density (kg/m ³):	about 660
Flash point (°C):	not known
Ignition temperature (°C):	not known
Explosion range (vol%):	not known
Boiling point (°C):	not known
Solubility in water:	Relatively easily soluble

10. STABILITY AND REACTIVITY

Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

There are no toxicological data on the product itself.

Acute toxicity (individual raw materials):	LD50(sodium tripolyphosphate): 6500 mg/kg (oral, rat) LD50(sodium carbonate): 4090 mg/kg (oral, rat)
Inhalation:	Inhalation of dust can cause sneezing and possibly a smarting pain in nose and throat.
Skin contact:	Prolonged or often repeated contact can cause dry skin or chapping.
Eye contact:	Can cause a strong smarting or other pain in contact with cornea.
Ingestion:	Irritating to mucous membranes. Can cause nausea and vomiting.

12. ECOLOGICAL/ECOTOXICOLOGICAL INFORMATION

There are no ecotoxicological data on the product itself.

Aquatic toxicity: (some raw materials):	LC50(96 h)(sodium carbonate): 33-740 mg/l (fish) EC50(48 h)(- " -): 256 mg/l (Daphnia) IC50(96 h)(- " -): >2420 mg/l (alga) LC50(96 h)(fatty alcoholethoxylate/propoxilate): 0,8 mg/l (Caprinus) EC50(48 h)(- " -): 0,56 mg/l (Daphnia) EC50(72 h)(- " -): 0,48 mg/l(Scenedesmus)
Degradability:	Fatty alcoholethoxylate/propoxilate: Easy biological degradability > 60 % after 28 days. (OECD 301B), Easy biological degradability >70 % after 28 days. (OECD 301A)
Accumulation:	The raw materials are easily degradable and soluble in water, and therefore bioaccumulation is not likely.

According to Material Data Safety Sheet from raw material suppliers the product does not contain any chemicals with the danger notation harmful to the environment.

13. DISPOSAL CONSIDERATIONS

Hand in for disposal or destruction according to local regulations.

14. TRANSPORT INFORMATION

No dangerous goods according to present legislation.

15. REGULATORY INFORMATION**Classification**

Dangerous to health: Yes

Inflammable: No

Harmful to the environment: No

Danger code: Xi

Danger symbol(s):



Danger notation: Irritating

R-phrases 36 Irritating to eyes

S-phrases: 2 Keep out of the reach of children (valid for consumer packaging)

25 Avoid contact with eyes

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

46 If swallowed, seek medical advice and show this package or label

Contain Sodium carbonate >30%

16. OTHER INFORMATION

Explicit meaning of the R-phrases mentioned in section 3.

R-phrase 36 Irritating to eyes

The information in this Material Safety Data Sheet has been given in accordance with present regulations from the authorities and business recommendation referring to Material Safety Data Sheets.