

Material Safety Data Sheet

according to 2001/58/EC



Product name : FLA 710 S
Revision : 22.11.2005 **Version :** 1.1.0
Print date : 05.04.2006

01. Identification of the substance/preparation and of the company/undertaking

Product name:

FLA 710 S (64120)

Use of the substance / preparation

Cleaning agent for professional application in industry and trade.

Manufacturer/Supplier

Tana - Chemie GmbH

Street/P.O.Box

Ingelheimstr. 1 - 3

Country code/Postal code/Town/City

D - 55120 Mainz

Telephone / Telefax

06131 / 964 - 03 / 06131 / 964 - 2414

Emergency information

06131 / 23 24 66

02. Composition/information on ingredients

Chemical characterization

Aqueous solution based on sodium hydroxide, sodium metasilicate, cationic and nonionic surfactants, complexing agent

Hazardous components

SODIUM HYDROXIDE ; EC-No. : 215-185-5 ; CAS-No. : 1310-73-2

Percentage : 1 - 2 %

Classification : C ; R 35

QUATERNARY AMINETHOXYLATE ; CAS-No. : 28880-55-9

Percentage : 1 - 2 %

Classification : N ; R 51/53 Xi ; R 41 Xn ; R 22 Xi ; R 38

SODIUM METASILICATE 5-HYDRATE ; EC-No. : 229-912-9 ; CAS-No. : 10213-79-3

Percentage : 1 - 2 %

Classification : C ; R 34 Xi ; R 37

03. Hazards identification

Hazard designation

Irritating to eyes and skin

Classification : Xi ; R 36/38

Particular information pertaining specific risk for human and environment

The product is water polluting.

04. First aid measures

General

Please note safety instructions and directions for use on the drum. In all cases of doubt, or when symptoms persist, seek medical attention.

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After skin contact

Flush away with water and rinse. When skin irritation persists, seek medical advice.

After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

05. Fire-fighting measures

Suitable extinguishing media

Foam, CO₂, powder extinguisher, water haze, water spray jet.

Extinguishing media which must not be used for safety reasons

Waterjet.

Additional information

Cool endangered containers with water in case of fire.

06. Accidental release measures

Personal precautions

Wear protective equipment. Keep away unprotected persons. Avoid contact with eyes and skin. Spilled product causes a particular danger of skidding.

Environmental precautions

Do not empty into waters, ground water and drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations. Take necessary measures to avoid further spread of large quantities.

Methods for cleaning up

Neutralize with acids (e.g. acetic acid) to a pH-value of 6-8, then take up with a liquid absorbing material and proceed according to waste disposal regulations. Dispose of contaminated material as waste acc. section 13.

07. Handling and storage

Information for safe handling

Avoid contact with skin and eyes. Comply with the health and safety at work laws.

Information about protection against explosions and fires

No particular precautionary measures required.

Requirements to be met by storerooms and containers

Recommended storage temperature: 20 °C. Store only in the original container.

Information about separation of incompatible products

Store separately from foodstuffs. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

08. Exposure controls / personal protection

Components with critical values that require monitoring at the workplace (exposure limits)

The product does not contain relevant amounts of components with occupational exposure limits that require monitoring, exception(s) see below.

Personal protective equipment

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General protective and hygiene measures

Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuff. Immediately remove all contaminated clothing. Avoid contact with eyes, skin and clothing.

Respiratory protection

none

Hand protection

Handling of concentrate: Safety gloves made of chloroprene; thickness of material: 0,4 mm. Handling of recommended solution for use: Safety gloves made of natural latex; thickness of material: 1 mm.

Eye protection

Use safety glasses.

Environmental precautions

Pay attention to dosage instructions and directions for use.

09. Physical and chemical properties

Image

Form : Liquid.
Colour : Ordinary colourless.
Odour : Poor, characteristic.

Relevant safety data

Density :	(20 °C)	ca.	1,05	g/cm ³
pH value :		ca.	13	

10. Stability and reactivity

Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

Materials to avoid

Reactions with acids possible. Reactions with acids: development of heat.

Hazardous decomposition products

none known

11. Toxicological information

Additional toxicological information

The product was not examined. The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

12. Ecological information

Details on elimination (persistence / degradability)

The product is biodegradable. In case of appropriate conduction into adapted biological purification plants no disturbances have to be expected. The surfactants used comply with the legal requirements concerning biodegradability.

Additional ecological information

General ecological information

The product was not examined. The product was classified in ecotoxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

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13. Disposal considerations

Substance/preparation

Recommendation

Hand over residues to special waste collector.

Waste key

20 01 29* The origin-referred waste key mentioned is a recommendation. Sometimes due to the different application type with the user another waste key number must be assigned.

Contaminated packaging

Recommendation

Give only completely empty packing to recycling.

14. Transport information

Land transport ADR/RID

Classification

Substance number : 1760

Proper shipping name

CORROSIVE LIQUID, N.O.S.

Hazardous components

SODIUM METASILICATE 5-HYDRATE · SODIUM HYDROXIDE

Packaging

Packaging group : II

Label : 8

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : 8

UN number : 1760

Marine Poll. : -

Proper shipping name

CORROSIVE LIQUID, N.O.S.

Hazardous components

SODIUM METASILICATE 5-HYDRATE · SODIUM HYDROXIDE

Packaging

Packaging group : II

Label : 8

Air transport ICAO-TI and IATA-DGR

Classification

Class : 8

UN number : 1760

Proper shipping name

CORROSIVE LIQUID, N.O.S.

Hazardous components

SODIUM METASILICATE 5-HYDRATE · SODIUM HYDROXIDE

Packaging

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Packaging group : II
Label : 8

15. Regulatory information

Classification according to EEC directives

Danger symbol and danger designation



Xi ; Irritant

Hazard-determining components of labelling

R-phrases

36/38 Irritating to eyes and skin

S-phrases

2 Keep out of the reach of children
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
28.1 After contact with skin, wash immediately with plenty of water.
37 Wear suitable gloves
46 If swallowed, seek medical advice immediately and show this container or label.
35 This material and its container must be disposed of in a safe way

Special designation for certain preparations

16. Other information

Further information

Relevant changes

12. Details on elimination (persistence / degradability)

R-Phrases of components

22 Harmful if swallowed
34 Causes burns
35 Causes severe burns
37 Irritating to respiratory system
38 Irritating to skin
41 Risk of serious damage to eyes
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing data sheet

Product development / product safety

Contact

Regulatory Affairs Department

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.