

SAFETY DATA SHEET

Revision No. 003 of 14/11/12

Product Code 204211C

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1. IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 PRODUCT ID

1.1.1 Designation or trade name: KALSTOP FP2003 Cod. Polti M0004496

1.1.2 Chemical Name *Not Applicable*

1.1.3 Registration Number *Not Applicable*

1.2 APPLICABLE USES IDENTIFIED FOR THE SUBSTANCE OR MIXTURE AND INADVISABLE USES

1.2.1 *Liquid product inhibiting corrosion and the development of limescale build-up in steam boilers.*

1.2.2 *Not for personal use*

1.3 INFORMATION ON THE SUPPLIER OF THE SAFETY DATA SHEET

Politi S.p.A – Via Ferloni, 83 – 22070 Bulgarograsso, Como – Italy. Person responsible for the safety data sheet: Stefano Cappi – Tel: +39 031939111 – Email: stefano.cappi@politi.com

1.4 EMERGENCY TELEPHONE NUMBER

+39 031939111 (9:00/12:30 – 13:30/17:00)

2. HAZARD IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR THE MIXTURE

2.1.1 CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008 (CLP)

/

2.1.2 CLASSIFICATION ACCORDING TO DIRECTIVE 67/548/EECO 1999/45/EC

/

2.1.2.1 Risk phrases

/

2.1.3 ADDITIONAL INFORMATION

Refer to Section 16 for the complete text of the phrases.

2.2 PARTS OF THE LABEL

(According to Directive 67/548/EEC or 1999/457EC)

2.2.1 Symbols of danger: none

2.2.2 Information on danger:

/

CONTAINS: /

2.2.3 Danger phrases:

/

2.2.4 Safety advice:

S24/25, S26, S46, S2

2.2.5 Contains:/

2.3 OTHER DANGERS

No information available at present. It does not contain any of the VOCs (Volatile Organic Compounds) indicated in the Swiss ordinance 814.018 of 9 February 1999 and subsequent amendments thereto.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 PRODUCT ID

3.1.1 CHEMICAL IDENTITY: Refer to Paragraph 1.1

3.1.2 CONTAINS:

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Safety data sheet

according to EC Regulation no. 1907/2006 Appendix II

1 - 5%: Tetrasodium EDTA CAS No. 64-02-8
XN: R22 R41 S2 S26 S39 S46
H302 H318 H332
Acute Tox. Oral 4
Eye Dam. 1
Acute Tox. Inhalation 4

EINECS No. 200-573-9

4. FIRST AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURES

General Information

4.1.1 SKIN CONTACT

Wash carefully with soap and water; rinse thoroughly with water. Remove contaminated clothing. If irritation persists or there are visible signs of damage to skin tissues, consult a physician.

4.1.2 EYE CONTACT

Wash thoroughly with water for at least 10 minutes. Consult a physician if irritation persists or there are visible signs of damage to skin tissue.

4.1.3 SWALLOWING

Rinse the mouth with water. Immediately consult a physician. Do not induce vomiting.

4.1.4 INHALATION

Take the person outdoors and consult a physician immediately.

4.2 PRINCIPAL SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Currently there is no information available for the product.

4.3 INSTRUCTIONS IF IT BECOMES NECESSARY TO IMMEDIATELY CONTACT A PHYSICIAN AND SPECIAL TREATMENT

Refer to Section 4.1

No information available

5. FIRE PREVENTION MEASURES

5.1 EXTINGUISHING MEANS

The product is not flammable. Should a fire develop nearby, use appropriate extinguishers: carbon dioxide, extinguishers with powder or special liquids.

5.2 SPECIAL DANGERS STEMMING FROM THE SUBSTANCE/MIXTURE

No known specific danger.

5.3 RECOMMENDATIONS FOR FIRE FIGHTING EMPLOYEES

No particular recommendation.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PERSONAL PROTECTION EQUIPMENT AND PROCEDURES IN CASE OF EMERGENCY

Persons not assigned to the emergency:

Wear glasses, gloves and protective clothing. Do not smoke, avoid open flames or other sources of ignition.

Avoid inhaling the vapours and contact with the skin.

Make sure there is adequate ventilation in the work environments following accidental leaks.

Persons assigned to the emergency:

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6.2 ENVIRONMENTAL PRECAUTIONS:

Avoid possible contamination of the surrounding environment.

Do not empty directly into waterways, the sewer system, or air, soil or water environments.

6.3 METHODS AND EQUIPMENT FOR CONTAINMENT AND RECOVERY

Containment:

Immediately use appropriate absorbent substances to contain the leaks, in accordance with current regulations.

Dispose of the leaks in accordance with National Regulations.

6.4 REFERENCE TO OTHER SECTIONS

Refer to Sections 8 and 13.

7. HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING**

Avoid contact with eyes and skin.

Use safety gloves and glasses.

Avoid high temperatures during processing.

Do not smoke, avoid open flames or other sources of ignition.

Maintain adequate ventilation in the work environments.

Do not eat or drink in the work environments.

Do not swallow or apply to skin as it is.

7.1.1 MEASURES OF PROTECTION

Maintain adequate local and general ventilation in the areas where the product is handled.

Avoid sources of ignition.

Keep the accumulation of fine dust to a minimum.

7.1.2 GENERAL RECOMMENDATIONS FOR PROFESSIONAL HYGIENE

We recommend good personal hygiene.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING POSSIBLE INCOMPATIBILITIES

We recommend storing this product in a cool, dry and well ventilated place. In well sealed, preferably full containers. Avoid high temperatures. Keep away from light.

Store in original packages. Do not reuse the empty container.

Comply with normal storage rules.

7.3 SPECIFIC SPECIAL USES

No information currently available.

8. CONTROL OF EXPOSURE/PERSONAL PROTECTION**8.1 CONTROL PARAMETERS****8.2 CONTROLS AGAINST EXPOSURE**

Provide adequate ventilation. Use localised suction if necessary.

Avoid any release into the surrounding environment as much as possible.

Avoid exposure to high temperatures during processing.

8.3 PERSONAL PROTECTION:

Protection for the eyes: we recommend using safety glasses.

Protection for the hands: we recommend using gloves that are resistant to chemical substances.

Protection of the skin: avoid contact with the skin by wearing safety clothing and

gloves.

Protection of the respiratory tract: provide adequate ventilation, use extractor fans.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON THE BASIC PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 - Appearance:	<i>liquid</i>
9.1.2 - Colour:	<i>transparent/brownish</i>
9.1.3 - Odour/Olfactory Note:	<i>imperceptible</i>
9.1.4 - pH:	<i>about 10.5(at 20°C)</i>
9.1.5 - Melting Point/Freezing Point (°C):	<i>Not available</i>
9.1.6 - Initial Boiling Point (°C):	<i>/</i>
9.1.7 - Flammability Point (closed cup - °C):	<i>/</i>
9.1.8 - Evaporation Rate:	<i>N.A.</i>
9.1.9 - Spontaneous flammability:	<i>/</i>
9.1.10 - Upper/lower flammability or explosive limit:	<i>/</i>
9.1.11 - Vapour pressure(Pa):	<i>N.A.</i>
9.1.12 - Vapour density:	<i>N.A.</i>
9.1.13 - Relative density (20 °C):	<i>1.00174</i>
9.1.14 - Solubility in water:	<i>total</i>
9.1.15 - Coefficient of distribution (n-octanol/water):	<i>N.A.</i>
9.1.16 - Spontaneous ignition temperature:	<i>/</i>
9.1.17 - Decomposition temperature:	<i>>200°C</i>
9.1.18 - Viscosity (20°C):	<i>/</i>
9.1.19 - Explosive properties:	<i>/</i>
9.1.20 - Oxidising properties:	<i>/</i>
9.2 OTHER INFORMATION	<i>/</i>

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

No known dangerous reaction

10.2 CHEMICAL STABILITY

Stable product under normal conditions. Does not cause any hazardous polymerization.

10.3 POSSIBILITY OF DANGEROUS REACTIONS

No information available.

10.4 CONDITIONS TO AVOID

Avoid contact with oxidising and reducing agents.

Do not heat the closed containers.

Excessive heat, high temperatures (above 200°C).

10.5 INCOMPATIBLE MATERIALS

No information available.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition can cause the release of irritating gas and vapours.

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11. TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

No information is available on the specific product (mixture).

11.1.1 ACUTE TOXICITY:

11.1.1.1 LD₅₀(in rats) of *Tetrasodium EDTA*: 1700 - 1913 mg/kg or >2000 mg/kg (source GestisSubstance Database).

11.1.1.2 LD₅₀ cutaneous (mg/Kg in rabbits) *Not available*

11.1.1.3 LD₅₀ inhalation (mg/Kg in rats) *Not available*

11.1.2 IRRITATION *Possible irritation to the eyes and skin***11.1.3 CUTANEOUS SENSITISATION:** *Not available***11.1.4 CARCINOGENIC, MUTAGENIC, REPRODUCTIVE TOXICITY:**

The tests performed on the EDTA and its alkaline salts demonstrate that there is no evidence of carcinogenic or mutagenic properties even when given in doses up to 1000 mg/kg. Tetrasodium EDTA is not considered to have any carcinogenic effect.

11.1.5 OTHER INFORMATION**12. ECOLOGICAL INFORMATION**

12.1.1 LC₅₀ Fish - 96 h (*Tetrasodium EDTA*) *minimum 486 mg/l*
maximum 3090 mg/l
median 1550 mg/l

(Reference: Batchelder, T.L., H.C. Alexander, and W.M. McCarty 1980. Acute Fish Toxicity of the Versene Family of Chelating Agents. Bull. Environ. Contam. Toxicol. 24(4):543-549)

12.1.2 EC₅₀ Daphnia *Not available*

12.1.3 EC₅₀ Alga *Not available*

12.2 PERSISTENCE AND DEGRADABILITY

The product is easily biodegradable.

12.3 BIOACCUMULATION POTENTIAL

Not available

12.4 MOBILITY IN SOIL

Not available

12.5 RESULTS OF THE PBT AND vPvB ASSESSMENT

No information available

12.6 OTHER ADVERSE EFFECTS

No information available

13. DISPOSAL CONSIDERATIONS**13.1 METHODS FOR HANDLING THE WASTE**

For handling and arrangements in case of accidental dispersal of the waste, the general the instructions provided in Sections 6 and 7 apply. Dispose of in accordance with current local and national regulations.

14. TRANSPORT INFORMATION**14.1 UN**

14.1.1 UN Number /

14.1.2 UN Shipping Name /

14.1.3 Class of danger applied to the
Transport /

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- 14.1.4 Packaging Group /
- 14.1.5 Dangers to the environment /
- 14.1.6 Special precautions for
Users /
- 14.1.7 Bulk transport in accordance
with Annex II of MARPOL 73/78 and the
IBC code *Not applicable.*

14.2 ADR/RID/ADN

- 14.2.1 UN Number /
- 14.2.2 UN Shipping Name /
- 14.2.3 Class of danger applied to the
transport /
- 14.2.4 Packaging Group /
- 14.2.5 Dangers to the environment
- 14.2.6 Special precautions for
Users
- 14.2.7 Bulk transport in accordance
with Annex II of MARPOL 73/78 and the
IBC code *Not applicable.*

14.3 IMDG CODE

- 14.3.1 UN Number /
- 14.3.2 UN Shipping Name /
- 14.3.3 Class of danger applied to the
Transport /
- 14.3.4 Packaging Group /
- 14.3.5 Dangers to the environment /
- 14.3.6 Special precautions for
Users
- 14.3.7 Bulk transport in accordance
with Annex II of MARPOL 73/78 and the
IBC code *Not applicable.*

14.4 ICAO/IATA

- 14.4.1 UN Number /
- 14.4.2 UN Shipping Name /
- 14.4.3 Class of danger applied to the
Transport /
- 14.4.4 Packaging Group /
- 14.4.5 Dangers to the environment /
- 14.4.6 Special precautions for
Users
- 14.4.7 Bulk transport in accordance
with Annex II of MARPOL 73/78 and the
IBC code *Not applicable.*

15. REGULATORY INFORMATION**15.1 RULES AND LEGISLATION ON HEALTH, SAFETY AND THE ENVIRONMENT SPECIFIC TO THE**

SUBSTANCE OR MIXTURE

Directive 67/548/EEC (Classification, Packaging and Labelling of Hazardous substances and subsequent modifications).

Directive 1999/45/EEC (Classification, Packaging and Labelling of Hazardous preparations and subsequent modifications).

Regulation No. 1907/2006/EC (REACH).

Regulation No. 1272/2008/EC (CLP).

Regulation No. 453/2010/EC (Modification of Reg. EC No. 1907/2006).

15.2 ASSESSMENT OF CHEMICAL SAFETY

No information currently available.

16. OTHER INFORMATION**16.1 REVISION**

16.1.1 Number 003

16.1.2 of 14/11/2012

16.2 RISK PHRASES AND SAFETY PHRASES LISTED IN SECTION 2**16.2.1**

R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

16.2.2

S24/25 Avoid contact with eyes and skin

S26 In case of contact with eyes, wash immediately with plenty of water and seek medical advice.

S46 If swallowed contact a physician immediately and show him the container or the label

S2 Keep out of the reach of children

16.3

This sheet has been compiled based on information obtained from suppliers.

The information and recommendations contained in this safety data sheet are based on our knowledge at the date indicated above. They refer only to the indicated product and do not constitute a guarantee of particular qualities. The user is held responsible for ensuring the suitability and integrity of this information related to the specific purpose for which the product is being used.

This sheet annuls and replaces all previous editions.