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## POLYPHOSPHATE – MATERIAL SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE COMPANY:

*Product name: POLYPHOSPHATE - TRANSPORT DOCUMENT: bill of loading n° of*

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

*Dangerous components: NO ONE*

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**3. HAZARDS IDENTIFICATION:** *NO evidence of Hazards identification*

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**4. FIRST AID MEASURES:** *not required*

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**5. FIRE-FIGHTING MEASURES:** *The product is not fuel*

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### 6. ACCIDENTAL RELEASE MEASURES:

*Environmental precautions: do not allow to enter public sewers and water courses.*

*Clean up actions: Sweep-up and transfer to any material container.*

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### 7. HANDLING AND STORAGE

**HANDLING:** *Use the measures of item 8.*

**FIRE OR EXPLOSION MEASURES:** *Keep away from hot source.*

**STORAGE:** *Keep enclosed into the container in a cool environment.*

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### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

**Exposure controls:** *keep air in work environment.*

**Limits of exposure:** *No applicable.*

**Personal protection:** *wear safety glasses or goggles, wear rubber gloves, an eyewash facility should be available.*

**General protective measures and work health:** *Do not eat, drink or smoke while the goods are prepared. Wash the hand and change clothes at the end of work.*

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### 9. CHEMICAL AND PHYSICAL CHARACTERISTICS

<i>Appearance</i>		<i>Glassy colourless</i>
<i>Thickness</i>		<i>2,5 kg/litro</i>
<i>pH soluz. 1%</i>		<i>7-8</i>
<i>P<sub>2</sub>O<sub>5</sub></i>		<i>62,3 %</i>
<i>CaO</i>		<i>4,7 %</i>
<i>Na<sub>2</sub>O</i>		<i>30,3 %</i>
<i>Al<sub>2</sub>O<sub>3</sub></i>		<i>2,6 %</i>
<i>Heavy metals</i>	<i>ppm</i>	<i>&lt;0,05</i>
<i>Arsenic as As</i>	<i>ppm</i>	<i>&lt;0,05</i>
<i>Lead as Pb</i>	<i>ppm</i>	<i>&lt;0,05</i>
<i>Iron</i>	<i>ppm</i>	<i>0,10</i>
<i>Zinc</i>	<i>ppm</i>	<i>0,05</i>
<i>Chromium</i>	<i>ppm</i>	<i>&lt;0,05</i>
<i>Residue insoluble</i>	<i>ppm</i>	<i>5,2</i>

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#### **10. STABILITY AND REACTIVITY**

**Stability:** this material is considered stable under normal conditions.

**Conditions to avoid:** not applicable.

**Materials to avoid:** not applicable.

**Hazardous decomposition:** if warmed up until decomposition, it emit toxic vapours of  $PO_x$  e  $Na_2O$ .

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#### **11. TOXICOLOGICAL INFORMATION**

Moderately toxic by intraperitoneal.

**Ld50 (oral, topo):** 14500 mg/kg.

**Ld50 (intravenous, topo):** 124 mg/kg.

**Ld50 (below the skin, topo):** 2600 mg/kg

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#### **12. ECOLOGICAL INFORMATION**

Do not leave in environment.

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#### **13. CONSIDERATION ABOUT TO SELL OF:**

**The product can be reduced to ashes in authorized plants.**

**PACKING:.** can be reduced to ashes in authorized plants.

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#### **14. TRANSPORT INFORMATION**

**ROAD WAY– ADR/RID:** NO CLASSIFICATION.

**SEA WAY – IMDG:** NO CLASSIFICATION.

**AIR WAY – ICAO/IATA:** NO CLASSIFICATION.

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#### **15. REGULATORY INFORMATION**

**CEE LABEL:** no applicable.

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#### **16. OTHER INFORMATION**

**BIBLIOGRAPHICAL ORIGIN:** SAX – 8 Ed. – MERCK INDEX – 11 Ed. – HANDBOOK OF POISONING – 12 Ed.

**ISSUED:** 9/1991

**REVISION:** 10/1992

**PRINT DAY:** 1/1/1996

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