



BIMEX CORP.

DATA SHEET

SODIUM TRIPOLYPHOSPHATE – TYPE 1
Granules, Technical Grade

Identity Nr. : 000014
Chemical name : **Pentasodium tripolyphosphate**
Chemical formula : **Na₅P₃O₁₀**
Molecular weight : 368
CAS Nr. : 7758-29-4
EINECS-Nr. : 2318387
Appearance : compound of white powder and granules

| Chemical composition | | Typical Analysis | Standard |
|--|-------|-------------------------|-----------------|
| P ₂ O ₅ | % | 56.5 | min. 56.0 |
| Na ₂ O | % | 41.8 | min. 41.5 |
| pH (1% solution) | | 9.4 | 9.5 ± 0.3 |
| Loss on Ignition | % | 0.01 | max. 0.5 |
| Insoluble | % | 0.06 | max. 0.1 |
| Phase I | % | 22.3 | 10 - 30 |
| Na ₅ P ₃ O ₁₀ | % | 92.7 | min. 92.0 |
| ortho-P ₂ O ₅ | % | 0.0 | max. 0.5 |
| Bulk density | g/l | 680 | 650 ± 50 |
| Solubility (g/100 g H₂O): | 25° C | 14.5 | |

Application:

- in ceramic industry for decreasing of viscosity of raw materials and clays, for reduction of thixotropy and as a binding agent
- in paper industry for dispersing of builders and coatings
- for emulsions at petroleum winning (well boring)
- for water treatment; pH adjustment and buffering
- for the production of cleaning agents and detergents (increasing of surface activity and washing power)
- as floating agent in metallurgy
- for production of feeding stuff

Package: 25 kg natron paper bags on pallets, shrink wrapped and strapped

Storage: tightly closed in dry, cool place

Shelf life: provided that the recommended storage conditions are maintained shelf life will be indefinite.