

Technical Specification – 8123598 (SAP Material Code)

Specification of material, equipment and spare parts:

Material description	Dimensions	Production material	Standard / drawing	UM	Quality Standard
Biodetergent for cooling water		M133		kg	

Appendices / special technical requirements (permitted tolerances, specific packaging)

The chemical must act as a cleaning agent for cooling systems and equipment against sediments of microbiological deposits. By cleaning, the micro-biological impurities deposited on the surface of the equipment are removed to water mass, thus exposing the microbiological population to the effective action of biocides. This prevents the accumulation of bio-deposits in critical areas (ex. heat exchangers), as well as the formation of anaerobic, sulfate-reducing bacteria under the sediment, which cause pitting corrosion.

Benefits of use should be reflected in the fact that the removal of deposits from the cooling surface would increase the efficiency of heat transfer, reduce the maintenance costs of equipment, extend the useful life of equipment and significantly improve the cooling system corrosion protection program. Biodetergent should be classified as chemical detergent, not as biocidal agent or oil emulsifier. It should belong to the group of nonionic detergents.

Dosage of biodetergent should be continuous with pump, and the pump operation should be controlled using a device installed on the cooling systems in RNP. Chemical should be compatible with the existing chemical treatment.

Required documents /reference list

The supplier shall be obliged to dispose of packaging.

Product testing reports (chemical composition, mechanical properties, physical-chemical properties)

Choose an item.

Choose an item.

Other:

Certificates of management systems applied:

Choose an item.

Choose an item.

Other:

Production quality certificates:

Choose an item.

Choose an item.

Other:

Other certificates

Choose an item.

Choose an item.

Other:□

Technical documentation

- EX certificates.....□
Catalogue of spare part numbers□
Instructions for use (in Serbian).....□
Instructions for maintenance (in Serbian).....□
Instructions for transport□
Instructions for storage (in Serbian)□
SDS (Safety Data Sheet, in Serbian)□
Data List□
TDS (Technical Data Sheet)□
Certificate issued by the manufacturer confirming that the prescribed occupational safety measures have been applied on the device□
Certificate of product performance□
REACH registration certificate□

Other requirements

- Warranty / Warranty period□
Useful life□
Product packaging□
Spare parts for 2 years□
Inspection during production, before delivery□
FAT (Factory Acceptance Test)□
SAT (Site Acceptance Test)□
Training□
Post-production servicing and technical assistance□

Requirements for acceptance control /control plan

- **Contact tech. person for acceptance control:**

HSE aspect

Energy efficiency

Initiator



Ivona Blagojević

signature

Approved by



Nebojša Stepanov

signature