

PLASTOCLEAN 400

De-Labeling, De-Metalizing, De-Inking, De-Foaming cleaning agent for plastic material.

Product description

PLASTOCLEAN 400 is an organic surfactant and dispersing agent for plastic recycling processes.

Recommended Uses

PLASTOCLEAN 400 is a highly effective surfactant engineered specifically for the demanding requirements of plastic recycling lines. By significantly enhancing the wetting properties of aqueous dispersions, it ensures superior performance on even the most challenging substrates.

Key Benefits & Applications:

- **Multifunctional Cleaning:** Optimized for the critical stages of the washing process, including de-labeling, de-metallizing, and de-inking.
- **Process Versatility:** Highly efficient for use in both float-sink tanks and intensive washing systems.
- **Advanced Surface Tension Reduction:** Improves contact between the cleaning solution and plastic flakes, ensuring thorough contaminant removal from difficult-to-treat materials.
- **Broad Utility:** While specialized for recycling, its robust wetting capabilities allow for successful integration across a variety of industrial aqueous applications.

Features and Benefits

PLASTOCLEAN 400 is an advanced, non-foaming wetting agent specifically engineered for high-efficiency water-based systems. Formulated without solvents or silicones, it provides an environmentally conscious solution without compromising on industrial performance.

- **Dynamic Surface Migration:** Developed with a specialized selection of active ingredients, **PLASTOCLEAN 400** features exceptionally fast surface migration, ensuring rapid and uniform coverage of substrates.
- **Moderate Foaming Behavior:** Unlike conventional wetting agents that often require additional defoamers, this product outperforms standard alternatives by maintaining low to moderate foam profiles even under high-shear conditions.

Physical properties

Appearance	Slightly golden yellowish liquid
Compatibility	Compatible with all washing mt
Viscosity	20-32 mPa's

Dosage and Handling

Depending on the application in question the required dosage may vary over a wide range (0.2% to 0.5%); suitable screening test are therefore recommended (initial dosage 0.3%).

Shelf Life

12 months from date of production if store under cover, out of direct sunlight & frost. Need to protect from extremes of temperature. Properly in undamaged un-opened, original sealed packaging. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your **UNICHEM/Extension-lab** representative.

Application Areas

De-inking: Removal of printing inks from plastic films and containers (e.g., PE, PP, or PET flakes).

De-labeling: Efficient detachment of paper or plastic labels and the dissolution of residual adhesives.

De-metallizing: Separation of metallic coatings or vacuum-metallized layers from plastic substrates.

Storage stability

PLASTOCLEAN 400 may be stored in closed container for at least 12 months. The product has to be stored under frost-free conditions; storage temperature should not exceed 35 °C.

Packaging

5 KG
50 KG

Precautions

As with all chemical products, care should be taken during use & storage to avoid contact with eyes, mouth, skin & foodstuffs (which can also be tainted with vapor until product fully cured or dried). Treat splashes to eyes & skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children & animals. Reseal containers after use. Don't reuse containers for storage of consumable items. for further info refer to material safety data sheet (MSDS).