



PRODUCT DATA SHEET

ADVANTAGE 8046

GENERAL

ADVANTAGE 8046 is a multi-component deposit and corrosion inhibitor formulated to make available a completely effective chemical treatment. This product is essentially a **one shot** liquid treatment based on a blend of polymeric deposit control agents and organic corrosion inhibitors incorporating **DPB-42** antiscalant, sequestering agents and antifoam. Catalytic oxygen removal by sulphite further insures that corrosion due to this gas is prevented.

FEATURES AND BENEFITS

- Non – toxic
- Non – corrosive
- Concentrated blend
- FDA approved
- Metal sequestrants assure against scale in both the boiler and feed system.
- Iron remains soluble in boiler water.
- Modified natural organics assure prevention of oil related deposits.

IRON CONTROL

With energy conservation as the goal, more condensate may be being utilized as boiler feed. Because of the higher concentration of corrosion products in this source, there is a significant possibility of deposition of these metal ions, into and onto, boiler heat transfer surfaces.

ADVANTAGE 8046 is the ideal programme for prevention of heavy metal deposition due to:

- The inclusion of polymers and **DPB-42 Antiscalant**.
- Metal sequestrants and iron reducing agents
- The fact that **sub-stoichiometric** reactions make this technology both economical and relatively simple to apply and control.
- The fact that zero sludge results in zero impedance of heat transfer rates through boiler metals.
- Foaming prevention resulting in improved steam purity.
- The fact that **Süd-Chemie** has been the forerunner of polymer-based scale prevention for the last **30 years**.

TYPICAL PROPERTIES

Appearance and Odour : Clear, dark brown liquid.
Specific Gravity @ 25 °C : 1.11 – 1.4
pH (neat) : 12.0 -14.0 pH units.
Solubility in water : Complete.

DOSING AND CONTROL

The exact dosage of **ADVANTAGE 8046** will be advised by your Süd-Chemie Water Treatment Representative for each application. The dosage will depend on factors such as: The design of the boiler and it's feed system / pre-treatment equipment installed and the water source being utilized for supply to the system. The local Süd-Chemie Representative will arrange for a full system survey, and water analysis, and provide advice accordingly.

Clearly the number of variants involved requires technical and theoretical consideration prior to the submission of any accurate costing.

Recommended feed method is proportionally to the boiler feed system.

HANDLING AND STORAGE

ADVANTAGE 8046 poses minimal hazards, other than those noted here and contained in the **MSDS** document. Please refer to necessary information sheet for details. In general, contact with **ADVANTAGE 8046** should be minimized, and the correct personal precautions followed - wear gloves, apron, safety glasses and boots etc. If contact with product is unavoidable, wash copiously with water and if serious distress is encountered refer to physician and Süd-Chemie Water Treatment immediately.

Do not store **ADVANTAGE 8046** near heat or in direct sunlight, or with incompatible chemicals.

Store in a dry place. Keep lid on container when not in use to prevent the possibility of spillage and dilution. Preferably use a dedicated dosing station as advised by **Süd Chemie**.

ADVANTAGEADVANTAGE 8046 is available in 29 kg. polykans and 232 kg. bloopacks.

FDA / USDA INFORMATION

The **US Food and Drug Administration** has no objection to the use of the ingredients in **ADVANTAGE 8046** for treating boilers where direct contact of steam with food products may occur (Section 21.CFR Part 173.310).

MATERIAL SAFETY : A Material Safety Data Sheet on all aspects of this product is available from Sud-Chemie Water Treatment. All employees and customers should be acquainted with the content and action covered in this document.

Both documents are approved in accordance with SABS ISO 9002 : 1994 Quality Management System.