

# APPLICATION DATA SHEET

## BLACKFAST 626A ALKALINE DEGREASER

USE: 40 - 90 gms per litre in water.

APPLICATION: For the removal of stubborn oils, Blackfast 626A when dissolved to make 40 - 90 gms per litre solution at 80 - 90°C will render the metal surface clean and ready for blacking. Prepare the tank by filling to two thirds with cold water and add the required amount of Blackfast 626A with stirring. The solution temperature will rise because dissolving Blackfast 626A is an exothermic reaction. Heat to the recommended temperature and allow work pieces a residence time of 5 - 10 minutes followed by immersion in a flowing rinse, ensuring all Blackfast 626A is rinsed from blind holes or threads. Do not allow the metal surface to dry when transferring components from the hot 626A tank to the rinse water tank.

When adding further quantities of Blackfast 626A to maintain the strength of the solution, ensure that the solution temperature is below 50°C and that the addition is made slowly with stirring. Because the addition of Blackfast 626A generates heat, an eruption can occur if it is added too quickly or to an already hot (80 - 90°C) solution.

TESTING AND CONTROL

The strength of the working bath should be tested at regular intervals by taking 25 mls of the working bath. Add about 50 mls of deionised water and 8 to 10 drops of phenolphthalein indicator. Titrate against Normal Hydrochloric acid to clear end point:

$$\text{Pointage of bath in gms per litre} = \text{mls of Normal Hydrochloric acid} \times 3$$

For each point the bath is low compared to the set concentration add 1 kg of Blackfast 626A per 1000 litres of bath volume.

TANK MATERIAL: Tanks should be of mild steel.

HANDLING AND PERSONNEL SAFETY:

As Blackfast 626A contains caustic soda the normal precautions for handling caustic soda based products should be observed, including the use of protective PVC or rubber gloves and aprons and the wearing of a face shield or goggles.

If spillage or contact with skin or clothing occurs remove any contaminated clothing and drench thoroughly with water. In the case of contact with the eyes irrigate with copious amounts of clean water and seek medical attention immediately.

PRODUCT SAFETY DATA SHEET: A safety data sheet is available.

Blackfast 626A is part of the Blackfast range of products for the chemical blacking of iron and steel at room temperature.

Blackfast Chemicals continues to improve the quality and performance of its range of products and reserves the right to modify product formulations without prior notice.

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