

# TECHNICAL DATA REPORT

HS 0685

## FORMULA F-685

### Highly Active Degreaser and Rust Remover

#### DESCRIPTION:

White to cream coloured granular blend of heavy duty alkaline powders, sequestering and wetting agents, and corrosion inhibitors.

#### PURPOSE:

To remove grease, oil, loose carbon, rust, paint, scale, and other soils from metal parts such as engine blocks, radiators, crankshafts, boilers, heat exchangers etc.

#### HOW TO USE:

**FORMULA F-685** is used at 25 to 100 grams per litre of water at a temperature of 80 to 85 °C. The lower concentration may be used to remove light soils and rust deposits and the higher concentration to remove heavy soil, heavy rust deposits and paint. Allow objects being cleaned to remain in the solution for 15 minutes to 2 hours depending upon the nature and amount of soil load present. Remove objects from cleaning tank and rinse thoroughly with warm or hot water. Allow to drain dry and if possible blow off excess moisture with compressed air. Maintain the cleaning efficiency of the tank by periodic additions of **FORMULA F-685** according to the cleanliness of the work coming from the tank.

**FORMULA F-685** will attack and destroy soft metals such as aluminum, zinc (galvanized iron) or tin. Do not let **FORMULA F-685** come in contact with these metals.

#### PRINCIPAL USERS:

Engine rebuilders, radiator shops, automotive shops, machinery shops and wherever heavy-duty hot vat cleaning is required.

#### ADVANTAGES:

- 1) Economical - use only 25 to 100 grams per litre of water.
- 2) Removes a wide variety of soils such as grease, oil, loose carbon, rust, scale, paint, and many others from ferrous metals.
- 3) Effective in up to 20 grains hardness - excellent for dissolving hard water scale.
- 4) Does the job of two cleaners, i.e. acid rust remover and alkaline cleaner.
- 5) Will not attack or cause ferrous metals to lose weight.
- 6) Excellent for removal of carbonised oils and greases.
- 7) Strips most types of paint.
- 8) Immediate and reserve cleaning power - initial charge lasts up to 3 months with small weekly "sweetening" of **FORMULA F-685**.
- 9) Biodegradable.

#### PRECAUTIONS:

**FORMULA F-685** is an extra heavy-duty product and operators should wear goggles or face shield, rubber apron and gloves to avoid burns from accidental splash-back of the cleaning solution during cleaning operations. **FORMULA F-685** should only be used on areas where there is adequate ventilation to prevent the build-up of unpleasant, alkali fumes. In case of accidental contact with the skin or personal clothing flush with plenty of water. For eye contact, flush with water for at least 15 minutes and seek medical attention. Read Material Safety Data Sheet.

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## SPECIFICATIONS:

Physical form .....	Cream powder
Rinsing .....	Complete
Foaming .....	Low
pH @ 25 g/L water .....	12.5 - 13.5
Solubility .....	Complete in hard or soft water
Biodegradable .....	Yes