

# DART 445

## TECHNICAL DATA SHEET

### DESCRIPTION:

**DART 445** is a mildly alkaline, moderate-to-high foaming detergent concentrate designed for general-purpose cleaning. It has superior penetrating and wetting properties and excellent emulsifying ability for oils. **DART 445** is effective under most hard water conditions and rinses easily and completely. It is recommended for manual cleaning of machinery and equipment, for floor cleaning and similar uses.

### PROPERTIES:

Appearance:	Clear liquid with a mild odor.
Specific Gravity:	1.02
pH (100%):	8.0 – 8.5
Materials:	Safe on ferrous, aluminum, copper, zinc and stainless alloys, rubber, painted surfaces and plastics when used as directed.

### APPLICATION:

**DART 445** is acceptable for use in food and beverage plants as an **A1** general cleaning agent on all surfaces, or for use with steam or mechanical cleaning devices in all departments.

Before using **DART 445**, food products and packaging materials must be removed from the room or carefully protected. After using **DART 445**, all surfaces in the area must be thoroughly rinsed with potable water.

For most manual applications, use **DART 445** at 2 to 10% by volume with water. For heavily soiled areas, higher concentrations may be necessary. The exact dilution and temperature will depend on the specific nature of the application. sSOP's may need to be developed for specific concentrations and temperatures based on your product residue type and soil load.

### PRODUCT CAUTIONS:

Warning! May cause skin or eye irritation. May be harmful if swallowed. Contains biodegradable surfactants. During use, wear safety eyewear and protective gloves.

Contact your Madison Chemical representative for details to fit your operation.

### EMERGENCY FIRST AID:

**EYES & SKIN:** Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.

**INGESTION:** Do not induce vomiting. Give water. Never give anything by mouth to an unconscious person. Call a physician.

If use is contemplated for purposes other than, or by methods different from those specifically recommended herein, please contact the manufacturer for advice.

**FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN.**



**Madison Chemical Co., Inc.**

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