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# Product Data Sheet



**NOTE:** The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current.

## INDUSTRIAL WATER DESCALER

### SUBLIME

#### **Sublime Product Benefits**

- Sublime is a water-based solvent designed to penetrate and remove encrusted lime scale, rust, dirt and corrosion products from processing equipment.
- Cleans equipment through circulation and without expensive disassembly
- Comes in a pale yellow color that changes to a purple color when it is no longer effective
- Removes scale in small, inaccessible places that cannot otherwise be cleaned
- Gives off a pleasant, citrus-lime fragrance that masks the odor of dissolving scale
- Low foaming and no premixing required
- Non-hazardous, non-corrosive, non-flammable and biodegradable.
- Approved by the United States Department of the Navy

#### **Sublime Applications**

Sublime is designed to safely remove lime deposits and water scale from water-wetted internal surfaces of commercial and industrial processing equipment. This includes, but is not limited to, plant boilers and piping equipment in refineries, paper mills, chemical plants, foundries, rubber plants and other industries. Sublime is most effective when circulated through the equipment to be cleaned, as long as there is adequate venting for the carbon dioxide created in the cleaning process. Circulation should be up-flow if at all possible, taking between two to four hours to complete. If the equipment is clean (and Sublime has not changed color) it can be saved and used again. Sublime dissolves 1.5 pounds (0.68 kgs) of Calcium Carbonate (CaCO<sub>3</sub>) per gallon.

#### **Cautions and Compatibility Warnings**

- Sublime is not recommended for use on aluminum, certain aluminum alloys, zinc (hot dipped galvanized sheet) and alloys of magnesium.
- Once depleted, Sublime is NOT listed as a hazardous waste, nor does it possess any of the hazardous characteristics specified in 40 CRF 261
- Meets all the requirements of the U.S. Department of Transportation regulations given in 173.240 (a) for shipment without hazardous warning.
- Contact Summit for information regarding shipments by air

#### **Operating Ranges**

Recommended operating pressure is atmospheric and recommended operating range is:

Minimum	40° F	(4.44° C)
Optimum	80° F	(26.67° C)
Maximum	120° F	(48.89° C)

### Physical Properties

PRODUCT	SUBLIME
Specific Gravity @ 60° F	1.051
Specific Gravity @ 30° C	1.051
Freezing Point, °F (°C)	-22 (-30)
Boiling Point, °F (°C)	214 (101)
Flash Point	None
Temperature of Reaction	Negligible
NSF Registered	A8