

ACIDS



TETRAGARD ULTRA is a non-fuming, non-oxidizing, readily biodegradable alternative to mineral acid cleaning. It can be used in a variety of applications, including ultrasonic tanks, to remove mineral and scale deposits from various metals and plastics.

FEATURES AND BENEFITS

- Medium foaming
- Contains added corrosion inhibitor
- Contains added surfactant for uniform surface wetting
- Readily biodegradable
- Odorless
- Non-fuming
- Non-oxidizing
- Very rapid action
- Less corrosive than sulfamic, phosphoric and hydrochloric acid at the same concentration
- Greater than 70% biodegradation by test method OECD 301 A
- Effective on bulk concrete or scale deposits

DIRECTIONS FOR USE

Use procedure Use **TETRAGARD ULTRA** as part of a low-pressure application prior to a full wash procedure or in an ultrasonic tank application. Most effective when used with soft water. Scour or brush stubborn deposits.

Concentration For low-pressure applications, such as canister-spraying, dilute up to 20% v/v with water, according to amount of deposits.
For ultrasonic tank applications, dilute between 25% v/v with water to full concentration, according to soak duration and metallurgy compatibility.
For all applications requiring removal of bulk deposits, use undiluted.

Use temperature Effective in both cold and warm water (30°C – 60°C).

Dwell time / Operation time Allow for complete removal of deposits before final rinsing.

Mechanical action Low-pressure application and rinsing or ultrasonic tank application recommended for removing stubborn deposits.

Rinsing High or low pressure water.

TETRAGARD ULTRA

CONCRETE & SCALE REMOVER

PHYSICAL PROPERTIES

Appearance	Clear liquid
Odour	Odourless
Specific Gravity @ 20°C	1.10-1.20
Viscosity	Thin
pH	1-2
Flash Point (TCC)	None
Boiling Point	Approx. 100°C
Freezing Point	Not determined
Foaming Tendency	Moderate
Concentration Monitoring Techniques	Not determined
Rinsability	Excellent
Water Solubility	Complete




INCOMPATIBILITY

Strong bases
Avoid prolonged contact with mild or galvanized steel, and soft metals

WAREHOUSING PRECAUTIONS

Keep container closed and dry when not in use. Store in a cool place.

AVAILABLE SIZES

		
20L / 5,28Gal.	205L / 54,16Gal	1000L / 264,17Gal.

FIRST AID MEASURES

EYE CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists.

SKIN CONTACT

Wash with plenty of water for 15 minutes. Consult physician if irritation develops or persists.

INHALATION

Give fresh air or artificial respiration. Consult physician

INGESTION

Do not induce vomiting. Drink plenty of water and contact physician immediately.

HEALTH

1

FLAMMABILITY

0

REACTIVITY

0

LEGEND

0 = MINIMAL RISK
1 = SLIGHT RISK
2 = MODERATE RISK
3 = SERIOUS RISK
4 = SEVERE RISK

PERSONAL PROTECTION Security equipment



WHMIS



IMPORTANT: Before using TETRAGARD ULTRA, always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).

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