

TETRAGARD ULTRA

CONCRETE & SCALE REMOVER

TETRAGARD ULTRA is a non-fuming, non-oxidizing, readily biodegradable alternative to mineral acid cleaning. It has a greater than 70% biodegradation by test method OECD 301 A.

It can be used in a variety of applications, including ultrasonic tanks, to remove mineral and scale deposits from various metals and plastics.

TETRAGARD ULTRA is less corrosive than sulfamic, phosphoric and hydrochloric acid at the same concentration.

FEATURES & BENEFITS

- Contains added corrosion inhibitor
- Contains added surfactant for uniform surface wetting
- Readily biodegradable
- Odorless
- Non-fuming
- Non-oxidizing
- Very rapid action
- 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 - 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, colorless liquid |
| Odour | Odorless |
| Specific gravity @ 20°C | 1.10-1.20 |
| Viscosity | Not available |
| pH | 1.0 - 2.0 |
| Flash point (TCC) | None |
| Water solubility | Complete |
| Boiling point | Approx. 100°C (212°F) |
| Freezing point | Not available |
| Foaming tendency | Moderate |
| Rinsing | Excellent |
| Concentration monitoring techniques | Not determined |

INCOMPATIBILITY

Strong alkali

WAREHOUSING PRECAUTIONS

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

AVAILABLE SIZES

| | | |
|---|---|---|
|  |  |  |
| 20L | 205L | 1000L |

IMPORTANT

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

FIRST AID MEASURES

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

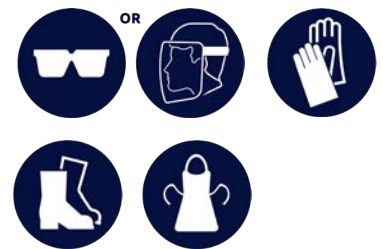
Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

PERSONAL PROTECTION



WHMIS



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