

## Safety Data Sheet

### 1. Information of product and corporation

Name of the object

Product name TAKE-C / Corrosion Removal

Information of the provider

Company name, address and contact number

Techpro Enterprises, LLC  
1100 Spring St. NW Suite 330  
Atlanta, GA 30309  
Phone: 404.885.9884

### 2. Information of composition and ingredients

Name of contained chemicals

Sodium hydrogenfluoride (Content: 4%) CAS# 1333-83-1  
Ethylenediamine tetraacetic acid CAS# 60-00-4  
Diocetyl phthalate

### 3. Summary of hazards

Irritation to the skin or eye

### 4. Emergent measures

Inhalation Move to a well ventilated place and take a deep breath in the presence Of discomfort.

Adhesion to the skin Wash the attached part well with soap or the like.

Adhesion to the eye Wash the eye immediately for about 15 minutes with clean water.

Ingestion Drink milk without labored ejection and seek medical attention.

### 5. Fire measures

Fire extinguishing method Foam extinguishers used for normal extinction

### 6. Leakage measures

Removing method Apply hydrated lime and wash away immediately with large quantity of water. Wipe with a rag or mop if unable to wet clean.

### 7. Caution for handling and storage

Cautions for handling

- 1) Wear appropriate protective equipment to avoid contact with the eyes, skin or clothes (hands: rubber glove or the like which have no water absorbing property / eyes: protective mask and safety glasses).
- 2) Ventilate adequately in the case of indoor use.

- 3) Do not mix with other detergents. Mixing with a chlorine detergent is likely to lead to generate of chlorine gas (poisonous).
- 4) Wipe with wet rag or mop in case of leakage.
- 5) Do not use in any other ways but intended use.
- 6) The present solution should be used up within one year, in the nature of the components.
- 7) There are possibilities of leaf blight in plants or stain and discoloration in glass and metal.

#### Caution for storage

- 1) Seal and store indoors at ordinary temperatures, away from direct sunlight.
- 2) Keep out of reach of children.
- 3) The remaining detergent in use or the contaminated detergent could not be stored.
- 4) It is feared that metal containers cause corrosion, so please use plastic containers.

#### 8. Protection measures

##### Protective equipment

##### Wear of the mask, gloves and goggles

Mask:	gas protection mask
Gloves:	rubber or polyethylene gloves
Goggles:	protective glasses

#### 9. Physical and chemical properties

Color and odor	Appearance:	a clear and colorless liquid
	Odor:	Irritating odor

##### Boiling point and solubility

Boiling point:	about 100 °C
Solubility:	arbitrary dissolution in water (g/L)
Description:	acid, ph 2.7-3.0

#### 10. Stability and reactivity

Stability:	Stable at ordinary temperatures
Reactivity:	Mixing with a chlorine detergent leads to generation of chlorine gas.

#### 11. Hazardous information

Carcinogenicity, mutagenicity, chronic oral toxicity, chronic inhalation toxicity, reproductive / developmental toxicity, sensitizing property, acute toxicity, pungency, etc.  
 Acute oral LD 50 for guinea pigs is > 440mg/kg. It has pungency to the skin and eyes

#### 12. Environmental impact information

Ecotoxicity	Toxicity to fish : 254 mg/L
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#### 13. Cautions for disposal

Rinse                The rinse agent for Take C is sprayed to the worked surface at the same rate of the undiluted solution, and then immediately washed away with large quantity of tap water.

Disposal            Apply hydrated lime to neutralization. About five minutes later, diluted with large quantity of tap water (10 times or more), and drained.

Treating method of the used container            Wash with large quantity of tap water.

14. Cautions for transport

Do not lay the container sideways and turn over.

15. Applicable law

Applicable law (Industrial Safety and Health Law, poisonous and Deleterious Substances Control Law, Agricultural Chemicals Regulation Law, etc.)

Water Pollution Control Law, Waste Disposal Law, Water Works Law, Industrial Safety and Health Law, Sewerage Works Law, Pollution Release and Transfer Register Law

16. Other information

Cited literatures

Previous Kanagawa Prefecture Chemicals Environmental Safety Control Guideline (reference)

“Chemicals Database, Webkis-Plus” National Institute for Environmental Studies

Handbook of Chemistry, revised fourth edition