

# Material Safety Data Sheet

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

|               |   |
|---------------|---|
| PRODUCT NAME: | DESCALER (TLS9595EU)  |
| PRODUCT USE:  | Clear scale   |
| COMPANY NAME: | Y&R INTERNATIAONL (WUHU) INDUSTRIAL LTD                                     |
| ADDRESS:      | RM1612, MORGEN-100 MANSION, RONGHUI ZHONGJIANG<br>PLAZA, WUHU, ANHUI, CHINA |
| Phone:        | 0086-553-3830752  |
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| EMERGENCY PHONE: | 0086-553-3830752 |
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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/ Preparation: Preparation

| Ingredient              | C. A. S No. | EINECS. No | % by weight | Classification   |
|-------------------------|-------------|------------|-------------|--|
| Citric acid monohydrate | 5949-29-1   |            | <80         | Xi;R41;<br><br>S26, S39                                      |
| Sodium citrate          | 6132-04-3   | 200-675-3  | <30         | S24/25   |
| Sodium lauryl sulfate   | 151-21-3    | 205-788-1  | <10         | F, Xn<br><br>R11, R20/21/22, R36/37/38<br><br>S26, S36/37/39 |
| Sodium polyacrylate     | 9003-04-7   |            | <5          | Xi;R36; S26, S36   |
| EDTA acid               | 60-00-4     | 200-449-4  | <5          | Xi; R36;<br><br>S26, S46                                     |
| Polyvidone              | 9003-39-8   | 201-800-4  | <5          | S24/25   |

### SECTION 3: HAZARD IDENTIFICATION

#### EMERGENCY OVERVIEW

Irritating to eyes.

#### Potential Health Effects

**Eye:** Causes severe eye irritation.

**Skin:** Causes slight skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** Causes respiratory tract irritation.

**Chronic:** Not available..

### SECTION 4: FIRST-AID MEASURES

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

**Skin:** Flush skin with plenty of water.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately.

**Notes to Physician:**

### SECTION 5: FIRE-FIGHTING MEASURES

#### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

#### Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**General Information:** Use proper personal protective equipment as indicated in Section 8.

#### Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.

### SECTION 7: HANDLING AND STORAGE

#### Handling:

Avoid contact with skin and eyes.

#### Storage:

Keep out of the reach of children. Store in a cool, dry place.  
Store in a tightly closed container.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Personal Protective Equipment

**Eyes:** Wear chemical goggles.  
**Skin:** Wear appropriate protective gloves to prevent skin exposure.  
**Clothing:** Wear a chemical apron.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**General Physical Form:** Solids  
**Specific Physical Form:** Powders  
**Odor:** Mild  
**Colour:** White  
**PH(1% solution in water):** 1.5-6.0  
**Vapor Pressure:** Not available.  
**Viscosity:** Not available.  
**Boiling Point:** Not available.  
**Freezing/Melting Point:** Not available.  
**Autoignition Temperature:** Not available.  
**Flash Point:** Not available.  
**Explosion Limits, lower:** Not available.  
**Explosion Limits, upper:** Not available.  
**Decomposition Temperature:** Not available  
**Solubility in water:** >99%  
**Bulk Density:** 0.9-1.2 kg/L

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials.  
**Incompatibilities with Other Materials:** Oxidizing agents, reducing agents, acids, bases.  
**Hazardous Decomposition Products:** Water, carbon dioxide.  
**Hazardous Polymerization:** Will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Routes of Entry:** Eye contact. Ingestion.

**Toxicity to Animals:** Not available.

**Chronic Effects on Humans:** Not available.

**Other Toxic Effects on Humans:**

Very hazardous in case of eyes contact (irritant).

Hazardous in case of ingestion.

Slightly hazardous in case of skin contact (sensitizer).

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:** Material is irritating to mucous membranes and upper respiratory tract.

## SECTION 12: ECOLOGICAL INFORMATION

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

## SECTION 14: TRANSPORT INFORMATION

**IATA**

No information available.

**IMO**

No information available.

**RID/ADR**

No information available.

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

## SECTION 15: REGULATORY INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on package and on this Material Safety Data Sheet. This data sheet is compiled according to Directive 91/155/EC as amended by Directive 2001/58/EC.

The Labelling according to EU guidelines: Directive 1999/45/EC

**Labelling:** Keep out of the reach of children.  
Avoid contact with skin and eyes.

## SECTION 16: OTHER INFORMATION

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of the product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. (End of appendix)