

Material Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

PRODUCT NAME:	DESCALER GRANULE
PRODUCT USE:	Clear scale
COMPANY NAME:	YNR INTERNATIONAL (WUHU) INDUSTRIAL LTD
ADDRESS:	A6-201 ZUO-AN DISTRICT DONGJIAO ROAD WUHU, CHINA
Phone:	86 553 3830752
ISSUE DATE:	JUNE 29 2012

EMERGENCY PHONE:	86 553 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 anhydrous	77-92-9	201-069-1	40-90	Xi;R41; S26, S39 F, Xn
Sodium lauryl sulfate	151-21-3	205-788-1	1-5	R11, R20/21/22, R36/37/38 S26, S36/37/39
Sodium citrate	6132-04-3	200-675-3	5-20	S24/25
Sodium polyacrylate	9003-04-7		3-6	Xi;R36; S26, S36
EDTA acid	60-00-4	200-449-4	5-20	Xi; R36; S26, S46

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin. Moisture sensitive.

Potential Health Effects

Eye: Causes severe eye irritation.

Skin: Causes moderate 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 for at least 15 minutes while removing contaminated clothing and shoes.

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. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.

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 breathing dust. 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.
- Respirators:** A NIOSH/MSHA approved air purifying dust or mist respirator or European Standard EN 149.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

General Physical Form:	Solid
Specific Physical Form:	Granule
Odor:	Mild
Colour:	White
PH(1% solution in water):	1-3
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:	0.8-1.2 kg/L

SECTION 10: STABILITY AND REACTIVITY

- Chemical Stability:** Stable under normal temperatures and pressures.
- Conditions to Avoid:** Incompatible materials, exposure to moist air or water.
- Incompatibilities with Other Materials:** Oxidizing agents, reducing agents, bases, acids.
- Hazardous Decomposition Products:** Carbon dioxide.
- Hazardous Polymerization:** Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

LD50(rats oral): 2.8-7.1g/kg

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.
Harmful if swallowed.



Indication of danger: _

Xi = Irritant

R-Phrases:

R36/37/38 Irritating to eyes, respiratory system and skin.

R41 Risk of serious damage to eyes.

S-Phrases:

S2 Keep out of the reach of children.

S22 Do not breathe dust.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

NA=not applicable

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)