

SAFETY DATA SHEET

RENO 12

Last changed: 03/05/2011

Replaces date: 14/09/2009

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME RENO 12
APPLICATION AREA Cleaning agent

Vendor art. number
1100

NATIONAL MANUFACTURER/IMPORTER

Enterprise Trion Tensid AB
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CONTACT PERSONS

Name	E-mail	Telephone	Country
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Emergency Phone	Type of assistance	Opening Hours
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2. HAZARDS IDENTIFICATION

HEALTH

R36/38 Irritating to eyes and skin.

ENVIRONMENT

Readily biodegradable.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	Classification
Alkyl glycoside, Sugar based surfactant				< 3 %	Xi,R41
C10 Alcohol etoxylate				< 2 %	Xi,R41
caustic potash, potassium hydroxide		215-181-3	1310-58-3	< 0,6 %	C,R22 - R35
N,N-diacetic acid			51981-21-6	5 - 10 %	Xi,R36/38

Explanation of symbols: T+=highly toxic, T=toxic, C=corrosive, Xn=harmful, Xi=irritant E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment, Cancer=Carcinogenic, Mut=Mutagenic, Rep=Toxic for reproduction, Conc.=Concentration

4. FIRST AID MEASURES

GENERAL

Consult a physician for specific advice.

INHALATION

Fresh air.

SKIN CONTACT

Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water.

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EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Consult an eye specialist if the irritation persists.

INGESTION

Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. DO NOT induce vomiting. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguishing agent: carbon dioxide, powder or a wide water jet.

EXTINGUISHING METHODS

No information available

FIRE AND EXPLOSION HAZARDS

Not ignitable.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Avoid breathing fire vapours.

OTHER INFORMATION

Containers close to fire should be removed or cooled with water.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear necessary protective equipment.

SAFETY ACTIONS TO PROTECT EXTERNAL ENVIRONMENT

Prevent discharge of larger quantity to drain. Collect in a suitable container approved for the purpose. Bank in and collect.

METHODS FOR CLEANING UP

Flush clean with lots of water. Be aware of potential for surfaces to become slippery.

OTHER INFORMATION

Only major emissions may represent a risk.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS

May attack some plastics, rubber and coatings. May react with acids and oxidising substances.

HANDLING ADVICE

Avoid contact with the skin and eyes, and also contact with clothes. Store in original container to avoid contamination.

STORAGE

Keep container tightly closed in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROL

Use suitable protective gloves and protective clothes if there is risk of direct contact or splashing.

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RESPIRATORY PROTECTION

No respirator is normally needed.

EYE PROTECTION

Use approved safety goggles or face shield.

HAND PROTECTION

Use protective gloves that are resistant to chemicals. Protective gloves (butyl rubber, natural rubber, nitrile rubber).

PROTECTIVE CLOTHING

Use suitable protective clothing, as necessary.

OTHER INFORMATION

Isolate contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid.
COLOUR	Tan.
ODOUR	Weak odour.
SOLUBILITY	Miscible with water.
WATER SOLUBILITY	100%
FAT SOLUBILITY	Not applicable.

Physical and chemical parameters

Parameter	Value/unit	Method/reference	Observation
pH concentrate	12.80		
pH in solution	11.50		
Density	1050.00 kg/m ³		

10. STABILITY AND REACTIVITY

STABILITY

Stable.

CONDITIONS TO AVOID

May react with acids and oxidising substances.

MATERIALS TO AVOID

Reacts with strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

No hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

GENERAL

Preparation has low toxicity, therefore risk of damage is limited in normal handling. Used product must be handled with care, and skin contact avoided as far as possible.

INHALATION

Inhalation of aerosol may cause irritation in the upper respiratory tract.

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SKIN CONTACT

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization in susceptible persons.

EYE CONTACT

Severe eye irritation.

INGESTION

Consumption of larger quantities can result in nausea, vomiting and stomach pains.

12. ECOLOGICAL INFORMATION

AQUATIC ECOTOXICITY

N,N-diacetic acid				
Test	Exposure time	Value/unit	Species	Source
LC50(Acute fish)	96h	> 100.00 mg/l	Oncorhynchus mykiss	
EC50(Acute Daphnia)	48h	> 100.00 mg/l	Daphnia Magna	
IC50(Acute algae)	72h	> 100.00 mg/l		

ECOTOXICITY

Low toxicity to aquatic organisms.

DEGRADABILITY

Readily biodegradable.

ACCUMULATION

Bioaccumulation improbable.

OTHER INFORMATION

The assessment is based on the properties of the components.

13. DISPOSAL CONSIDERATIONS

GENERAL REGULATIONS

Do not try to refill or clean the packaging. Emptied and cleaned packaging can be recycled or burnt. Unemptied packaging is classed as product.

CATEGORY OF WASTE

Suitable classification of waste is the responsibility of the user. Empty packages must be handled in an environmentally-correct manner as per the applicable laws and regulations.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods: No

15. REGULATORY INFORMATION



Irritating

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EC-Label: No

COMPOSITION

Alkyl glycoside, Sugar based surfactant (< 3 %), C10 Alcohol etoxylate (< 2 %), caustic potash, potassium hydroxide (< 0,6 %), N,N-diacetic acid (5 - 10 %)

R-PHRASES

R36/38 Irritating to eyes and skin.

S-PHRASES

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

After contact with skin, wash with plenty of water.

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

16. OTHER INFORMATION

VENDOR NOTES

Assessed on the basis of available data.

LIST OF RELEVANT R-PHRASES

R22 Harmful if swallowed.

R35 Causes severe burns.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

REVISION HISTORY

Version	Rev. date	Responsible	Changes
1.0.1	14/09/2009	WS	New database
1.0.2	03/05/2011	WS	Changes in section 3,12,16