

**Material Safety Data Sheet**  
**RUCOGEN WBL**

Rev No. : 01

01-04-2013

**1. Identification of the substance/preparation and of the company/undertaking****Product details**

- **Trade name : RUCOGEN WBL**
- **Application of the substance / the preparation** Textile Auxiliary Chemical
- **Manufacturer/Supplier :**
  - Rudolf Atul Chemicals Limited
  - Post : Atul, District : Valsad – 396 020
  - Gujarat, India
  - Telephone : (+912632) 230000
  - Email : racl@atul.co.in Website : www.atul.co.in

**2. Composition/information on ingredients**

- **Chemical characterization :**
- **Description :** Preparation of : Nonionic Surfactants, Solvents
- **Additional information :** For the wording of the listed risk phrases refer to section 16.

**3. Hazards identification****Hazard description :**

Xn Harmful

**Information concerning particular hazards for human and environment :**

- When sprayed the respiratory tracts may be irritated by aerosol drops.
- R 22 Harmful if swallowed.
- R 41 Risk of serious damage to eyes

**4. First-aid measures****General information :**

- Immediately remove any clothing soiled by the product and dispose off safely.
- Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident
- By continuous complaints consult a physician.

- **After inhalation :** Supply fresh air; consult doctor in case of complaints.
- **After skin contact :** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact :** Rinse opened eye for several minutes under running water. Then consult a doctor
- **After swallowing :**
  - Seek medical treatment.
  - Do not induce vomiting.
  - Never give anything by mouth to an unconscious person.

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**5. Fire-fighting measures**

- **Suitable extinguishing agents :**  
CO<sub>2</sub>, Dry powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents :** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases :**  
In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)+ Carbon dioxide (CO<sub>2</sub>)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Protective equipment :** Wear self-contained respiratory protective device.
- **Additional information :**  
Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6. Accidental release measures**

- **Person-related safety precautions :**  
Keep people at a distance and stay on the windward side.  
Particular danger of slipping on leaked/spilled product.  
Keep away from ignition sources.  
Refer to protective measures listed in sections 7 and 8.
- **Measures for environmental protection :** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting :**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**7. Handling and storage**



- **Handling :**
- **Information for safe handling :** Keep receptacles tightly sealed.
- **Information about fire - and explosion protection :** No special measures required.
- **Storage :**
- **Requirements to be met by storerooms and receptacles :** Use polyolefine receptacles.
- **Information about storage in one common storage facility :** Store away from oxidizing agents.
- **Further information about storage conditions :** Protect from frost.
- **Recommended storage temperature :** 5-30°C
- **Storage stability :** Storage period up to 12 months at 65 % RH & 20°C in closed packed condition

**8. Exposure controls/personal protection**

- **Additional information about design of technical facilities :** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace :**  
WEL Long-term value: 308 mg/m<sup>3</sup>, 50 ppm  
WEL Long-term value: 101 mg/m<sup>3</sup>, 23 ppm

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- **Additional information :** The lists valid during the making were used as basis.
- **Personal protective equipment :**
- **General protective and hygienic measures :**
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Do not inhale gases / fumes / aerosols.
  - Avoid contact with the eyes.
- **Respiratory protection :**
  - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Recommended filter device for short term use : P2**
- **Protection of hands :**
  -  Protective gloves
- **Eye protection : Wear Goggles / Safety Goggles**
  -  Safety glasses
- **Body protection : Protective work clothing**

**9. Physical and chemical properties**

- **General Information**
  - Form** : Fluid
  - Colour** : Colourless Clear - Cloudy
  - Odour** : Characteristic
- **Change in condition**
  - Melting point/Melting range** : ca. 0°C
  - Boiling point/Boiling range** : ca. 100°C
- **Flash point** : > 65°C
- **Self-igniting** : Product is not selfigniting
- **Danger of explosion** : Product does not present an explosion hazard
- **Vapour pressure at 20°C** : 23 hPa
- **Density** : Not determined.
- **Solubility in / Miscibility with water** : Fully miscible
- **pH-value at 20°C** : ca. 7
- **Viscosity** :
- **Kinematic at 20°C** : ca. 90 s (DIN 53211/4)

**10. Stability and reactivity**

- **Thermal decomposition / conditions to be avoided :**
  - No decomposition if used according to specifications.
- **Materials to be avoided :** Reactions with strong oxidising agents.
- **Dangerous reactions :**

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No hazardous reactions when stored and handled according to prescribed instructions.  
· **Dangerous decomposition products** : None, if handled according to order.

**11. Toxicological information**

- **Acute toxicity** :
- **LD/LC50 values relevant for classification** :  
Oral LD-50 > 400 mg/kg (Rat)
- **Primary irritant effect** :
- **on the skin** : Due to the product composition slight irritations of the skin cannot be excluded.
- **on the eye** : Strong irritant with the danger of severe eye injury.
- **Sensitization** : No sensitizing effects known.
- **Additional toxicological information** :  
The product has not been tested. The information is derived from the properties of the individual components.  
When sprayed in inadequately ventilated places, the aerosol drops may seriously irritate the respiratory tract! Therefore it is absolutely necessary to strictly observe the instructions of chapter (para) 8.

**12. Ecological information**

- **Information about elimination (persistence and degradability)** :
- **Method** OECD 302 B
- **Analysing method** DOC decrease
- **Degree of elimination** : > 80 %
- **Classification** : Readily eliminable from water
- **Other information** : The product is easily biodegradable.
- **Ecotoxicological effects** :
- **Aquatic toxicity** :  
LC-50 > 10 mg/l (Vertebrata)
- **Behaviour in sewage processing plants** :  
EC-50 > 1500 mg/l (activated sludge)  
Elimination > 80 % (OECD 302 B)
- **Additional ecological information** :
- **COD-value** : 1470 mg/g
- **BOD5-value** : 440 mg/g
- **AOX-indication** :  
Product does not contain any organic bound Halogens which could lead to AOX-values.  
The product does not contain heavy metals in waste water relevant concentrations.
- **General notes** :  
The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

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**13. Disposal considerations****· Recommendation :**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

**· Uncleaned packaging :**

**· Recommendation :** Disposal must be made according to official regulations.

**· Recommended cleansing agents :** Water, if necessary together with cleansing agents.

**14. Transport information**

**· Land transport ADR/RID (cross-border) :** must be in accordance with National / State / Local regulations.

**· ADR/RID class: -**

**· Air transport ICAO-TI and IATA-DGR:**

**· ICAO/IATA Class: -**

**· Transport/Additional information :** Not dangerous according to the above specifications.

**15. Regulatory information****· Labeling :**

The product has been classified and marked in accordance with National / State regulations on Hazardous Materials.

**· Code letter and hazard designation of product :**



Xn Harmful

**· Risk phrases :**

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

**· Safety phrases :**

23 Do not breathe fumes/aerosol.

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

36/39 Wear suitable protective clothing and eye/face protection.

**16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.