

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC  
Rabale, Navi Mumbai - 400701  
Tel No. +91- 022 - 47804040  
Email :- sales@rakiro.net  
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Doc No : MSDSWT1153A  
Date : 01-04-2024  
Type : UDAAQ  
Product Code : WT1153A

**MATERIAL SAFETY DATA SHEET****1 PRODUCT IDENTIFICATION AND INFORMATION**

Product code: WT1153A      Used For : Cooling System Treatment  
Product Name: Closed System On Line Cleaner

**2 INFORMATION ON INGREDIENTS AND TOXICITY DATA**

Product comprises of the following ingredients  
An aqueous solution of

Name	CAS No	LD50 Oral(Rat)
Citric acid	77 -92 -9	3 gm/kg
Dilute sodium salt of polyacrylic acid	9003 - 04 -7	> 40 gm/kg
Hydroxy ethylene diphosphonic Acid	2809 - 21 -4	2.4 gm/kg
1,2,3 Benzotriazole	95 -14 -7	0.5 gm/kg
Water	7732-18-5	-

**3 FIRE AND EXPLOSION DATA**

Flammable Limits in air,%by Volume : N.A  
Flash Point : None  
Extinguishing Media : Water, Foam

**4 FIRST AID MEASURES**

Ingestion (Swallowing): May cause nausea and vomiting / Dilute by drinking copious amounts of water and obtain medical attention  
Skin Contact : Slightly irritating to skin / Wash affected skin with soap / water and obtain medical attention  
Eye Contact : Irritating to eyes / wash eyes with large amount of water for atleast 15 minutes and obtain medical attention  
Inhalation : Vapors may be irritating to nose throat and respiratory tract producing symptoms of nausea in poor ventilated area. Remove subject to fresh air obtain medical Attention

**5 FIRE FIGHTING MEASURES.**

Since product is not inflammable so no fire fighting measures are required.

**6 REACTIVITY DATA**

Stability : Stable under normal storage conditions. Hazardous Polymerisation will not occur.

**7 HANDLING AND STORAGE**

Wear rubber gloves and safety goggles. Avoid breathing vapors and avoid skin contact. Keep away from direct heat and sunlight.

**8 SPILL OR LEAK PROCEDURES**

Soak up spills with absorbent material and scoop into drums. Follow all local, state and federal regulations for disposal. Do not dispose into lakes and streams. The floor may be slippery use caution to avoid falls.

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**MATERIAL SAFETY DATA SHEET****9 SPECIAL PROTECTION INFORMATION**

Respiratory protection : Maintain good ventilation otherwise use self- contained breathing apparatus.  
Ventilation protect : Local exhaust / mechanical (General)  
Protective Gloves : Yes  
Eye Protection : Safety Goggles  
Other Protection : Long Sleeve Shirt, long pants, Boots and hat.  
Hygienic Practices : Follow normal hygienic practices for handling chemicals.

**10 PHYSICAL & CHEMICAL PROPERTIES**

Refer '2' Composition / information on ingredients

**11 TOXICOLOGICAL INFORMATION**

Value of LD 50 Oral Rat : 560 mg/Kg.  
Do not take internally.

**12 ECOLOGICAL INFORMATION**

AQUATIC TOXICOLOGY - No Data Available.  
BIODEGRADATION - No Data Available.

**13 DISPOSAL CONSIDERATIONS**

Consult state and local regulations regarding the proper disposal of this material.

**14 TRANSPORT INFORMATION (By Air / Sea)**

Goods Type: Dangerous goods as per (IATA / IMDG)  
Packing Class: 8  
Packing Group: II  
UN No: UN3265

**15 REGULATORY INFORMATION**

Consult state and local regulatory authorities.

**16 OTHER INFORMATION**

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.  
Rakiro Biotech assumes no responsibility for injury to customers or third persons caused by the material, if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, since actual use by others is beyond our control, no guarantee expressed or implied is made by Rakiro Biotech as to effect of such use, the results to be obtained, others safety and toxicity of the products, nor Rakiro Biotech assumes any liability arises out of use/misuse by others of the product referred to herein. Information proved herein is provided by Rakiro Biotech solely for customers' assistance in implying with the occupational Safety & Health Act Regulations there under. Any other use is prohibited.