

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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Doc No : TDSWTIC1153A  
Date : 01-04-2024  
Type : UDAAQ  
Product Code : WTIC1153A

**PRODUCT DATA SHEET****1 INFORMATION**

#N/A

#N/A

**2 DESCRIPTION**

UDAAQ IC 1153 A is a Closed Cooling System Cleaner effective in removing deposit , sludges / foulants. UDAAQ IC -1153 A is a blend of specific chelating agents designed for removal of Iron, Calcium and Magnesium based deposits from cooling water systems. UDAAQ IC –1153 A removes these deposits as soluble species . UDAAQ IC 1153A is found to be most effective in cleaning, where deposition or oil contamination is suspected of reducing heat transfer or restricting flow available. Deposits are softened and solublized as UDAAQ IC-1153A penetrates the deposits and enhances the action of cooling water dispersants to slough off remaining deposits. These would be removed during a blow down or draining. UDAAQ IC – 1153 A is effective at the normal pH operating range of recirculating cooling water systems. The product works best along with UDAAQ IC – 1153 B , a closed cooling system cleaner.

**3 SALIENT FEATURES**

Removes deposits  
Non-corrosive  
Does not affect hoses and seals.

Non-foaming.  
Environmental Friendly  
One step programme

**4 ANALYTICAL DATA**

Appearance	:	Colourless to Yellow colour liquid.
pH	:	5.0 To 7.5
Density	:	1.0 To 1.2

**5 HANDLING INSTRUCTIONS**

Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.

**6 RECOMMENDED DOSAGE**

Determine the foulants like Hardness, Iron, Silica, Residual Oils etc. Inspect for soft geletenus, slime or other foulants.

1. Drain the water from the system.
  2. Fill 50 % system volume with fresh clean water. Add 400 gm of UDAAQ IC 1153 A & 200 gm UDAAQ IC 1153 B per ton of water. Fill the system completely with water.
  3. Circulate for eight hours.
  4. Observe the turbidity of water. Drain out 50 % of the water and add 200 gm of UDAAQ IC 1153 A, 100 gm UDAAQ IC 1153 B per ton of water. Recirculate for three hours.
  5. Rinse the system with water till you get a neutral pH.
  6. Inspect visible parts.
- If hard scale deposits remain, clean with one more charge of UDAAQ IC 1153 A & B .
7. Refill the system with maintenance products .