



ENVKEM INDUSTRIAL SOLUTIONS

An ISO 9001:2008 Certified Company



MATERIAL SAFETY DATA SHEET RO ANTISCALANT – PC 191T

Section 1 - Chemical Product and Company Identification

Product name : RO ANTISCALANT **PC-191T**
Product / Part No : **ENVKEM PC 191T**
Recommended use : REVERSE OSMOSIS ANTISCALANT
Restrictions on use : Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.
Manufacturing company : ENVKEM INDUSTRIAL SOLUTIONS

NO.9, Rajaji Street, Ramakrishna Nagar, Valasaravakkam,
Chennai -600087.
Phone : 044 – 2486 3868
Mobile : 9444444106, 8754445689
Email; sk@envkem.com

Section 2 - Product characterization and Properties

RO ANTISCALANT – 70 %

Water - 30%

Composition - Formulated Chemicals

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Precautionary Statements : **Prevention:**
Wash hands thoroughly after handling.
Response:
Specific measures: consult MSDS Section 4.
Storage:
Store in accordance with local regulations.

Other hazards : None known.

Section 3 - Hazards Identification

No hazardous ingredients

No.9, Rajaji Street, Ramakrishna Nagar,
Valasaravakkam, Chennai – 600 087.
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Section 4 - First Aid Measures

In case of eye contact	: Rinse with plenty of water. Get medical attention if symptoms occur.
In case of skin contact	: Wash off with soap and plenty of water. Get medical attention if symptoms occur.
If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Get medical attention if symptoms occur.
Protection of first-aiders	: In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required.
Notes to physician	: No specific measures identified.

Section 5- Fire Fighting Measures

Extinguishing media:	Water, mist, foam, dry powder, CO2 Firemen have to wear self-contained breathing apparatus.
Extinguishing media which must not be used for safety reasons:	Not applicable
Special exposure hazards:	Not applicable
Special protective equipment for firefighters:	As for all fires involving chemicals: Chemical protection suit, suitable gloves and boots, and self-contained breathing apparatus.

Section 6- Accidental Release Measures

Personal precautions:	Use sufficient ventilation or wear a respirator. Take up with absorbent material and fill into a closable container.
Environmental precautions	No special environmental precautions required.
Methods for cleaning up	Sweep up and shovel into suitable containers for disposal. Residues or small spillages should be hosed away completely with plenty of water. Spilled product, which becomes wet or spilled aqueous solutions create a hazard because of their slippery nature. The spillage should be contained with earth or flushed with water for disposal.

Section 7- Handling and Storage



Handling precautions:	Do not eat, drink or smoke whilst handling the product. Remove contaminated clothing immediately and launder before reuse. Wash hands after use. Wear gloves.
Methods conditions	Avoid wet, damp and humid conditions. Keep in a dry, cool place. Avoid extremes of temperature. The product must therefore be stored in dry, closed containers and protected from moisture. Do not use metal containers.

Section 8- Personal Protective Equipment

Respiratory protection	None recommended
Hand protection	Wear gloves
Eye protection	Goggles
Skin and body protection	Lightweight protective clothing

Section 9- Physical and Chemical Properties

Appearance	: Liquid
Colour	: Clear Amber Green
Odour	: Ammoniacal
Flash point	: > 93.3 °C
pH	: 10.0 - 11.5, 1 % (25 °C)
Odour Threshold	: no data available
Melting point/freezing point	: no data available
Initial boiling point and boiling range:	no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 1.25 to 1.30
Density	: no data available
Water solubility	: completely soluble



Solubility in other solvents	: no data available
Partition coefficient: n- octanol/water: Pow: 3.5 log Pow: 0.544	
Auto-ignition temperature	: no data available
Thermal decomposition	: Carbon oxides nitrogen oxides (NOx) Oxides of phosphorus
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
VOC	: 0 %

Section 10- Stability and Reactivity

Stability	Stable at ambient temperature
Conditions to avoid	None known
Hazardous decomposition	Thermal decomposition may yield acrylic monomers

Section 11- Toxicological Information

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION. Toxicological information on the OSHA regulated components of this is as follows.

This product contains no OSHA regulated (hazardous) components.

Section 12- Ecological Information

Toxicity to fish – LC50Rainbow TROUT96h >1100mg/l

Section 13- Other Information

Disposal Considerations: Disposal Considerations are to be made as per the local and state regulations applicable and levied by the concerned federal authority. Incineration for this product can be done at EPA approved facilities. The person generating the waste to review waste classification and disposal methods as per local requirements.

Section 14- Transport Information

Shipping Name	US DOT	Canada TDG
Hazard Class	NOT REGULATED	NOT REGULATED
UN Number	Not dangerous for transport	
Packing Group		



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Section 15- Regulatory Information

Supply Classification

Hazard symbol None

Risk phrases None

Safety phrases None

Section 16- Additional Information

MSDS Last Revision Date : MARCH-2015

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