

MATERIAL SAFETY DATA SHEET - FILTRATION CHEMICALS

INDION[®] 2811

1) IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Chemical Product Name: INDION 2811

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2) COMPOSITION & INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO	% (W/W)
2-hydroxy-1,2,3-propanetricarboxylic acid	77-92-9	25-45%

The balances of chemical ingredients are not identified as hazardous under OSHA's Hazard Communication Rule 29 CFR 1910.1200.

3) HAZARD IDENTIFICATION

It is harmful by ingestion. It can cause irritation to skin.

4) FIRST AID MEASURES

Inhalation : Mist of solution may cause irritation to respiratory system, Move to fresh air.
Skin Contact : Wash immediately with soap and water. Seek medical attention.
Eye Contact : Flush immediately with plenty of running water, seek medical attention.
Ingestion : Rinse mouth with water. Do not induce vomiting, Seek medical attention.

5) FIRE AND EXPLOSION DATA

The product is in aqueous system, it is not a fire hazard, after water is evaporated dry solid may burn – Use extinguishing media appropriate for surrounding fire.

6) ACCIDENT RELEASE MEASURES

Personal Precautions : Wear Suitable protective clothing, gloves and safety goggles.
Environmental Precautions : Prevent from entering sewers or the immediate environment.

Methods for cleaning up the aqueous solution

Mop up liquid and place waste disposal container.

On soil : Absorb onto inert material and dispose of according to Special Waste Regulations.

On water : None

7) HANDLING AND STORAGE

Handling : Do not breathe vapors. Avoid contact with skin and eyes.

Storage : Keep container tightly closed. Store in cool, well-ventilated area.

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Skin Protection : Use impervious gloves and clean body covering clothing.

Eye Protection : Use safety glasses, where contact with eyes is likely, use chemical goggles. Use a face shield as needed.

Hand Protection : Wash hands with soap before eating / drinking.

9) TYPICAL PHYSICAL DATA AND CHEMICAL PROPERTIES

Specific Gravity : N.A.
pH of 2% aq solution : < 3.0
Appearance : An off white to white powder
Solubility in Water : 100 g/L
Odour : None
Flash point : 154.2 Deg C

10) STABILITY AND REACTIVITY

Stability : Stable under normal conditions.
Conditions to avoid : Keep away from heat.
Material to avoid : Avoid contact with strong bases.
Hazardous decomposition products : If the solution is evaporated to dryness, the resulting solid may decompose if heated at high temperature.

11) TOXICOLOGICAL INFORMATION

Harmful if inhaled. Prolonged or repeated exposure may cause allergic reaction. The LD value of the active ingredient is not available.

12) ECOLOGICAL INFORMATION

Do not allow to enter drinking water supplies or sources/waste water or soil. No other adverse ecological effects observed with this product.

13) DISPOSAL CONSIDERATIONS

Disposal in sewage lines is strictly prohibited. Flush the aqueous solution with water. Mop up the area and dispose it as non-hazardous waste. Treat in consultation with approved industrial waste treatment industry personnel. Refer to applicable local, state and federal regulations as well as industry standards.

14) TRANSPORTATION INFORMATION

Ensure absence of damage and leaks in containers, and stack such that there is no impact, tumbling, drop and crack. Ensure there is no collapsing load. Follow relevant regulations for transportation.

15) REGULATORY INFORMATION

Not Applicable.

16) OTHER INFORMATION

The information in this document is compiled from information maintained by M/S ION EXCHANGE (I) LTD. The data in this MSDS were prepared based on the currently available data and information assuming conditions of common handling for industrial use. No guarantee, however, is implied directly with regard to the numerical values of contents, physico-chemical properties, hazards & toxicity etc., data or evaluation. As toxicity of chemical products cannot be predicted, the users are advised to adopt extreme care while handling. The users should use this information with their own responsibility and adopt appropriate safety measures based on the actual use conditions. Follow special handling; follow new safety measures and handle.