

# MATERIAL SAFETY DATA SHEET

## (HYDROCHLORIC ACID)

### I. PRODUCT IDENTIFICATION

Chemical Name : Hydrochloric Acid  
Trade Name : Technical Grade Muriatic Acid  
Synonyms : Muriatic Acid, Spirit of Salts

### II. COMPOSITION / INGREDIENTS

Hydrochloric Acid, % : 32 – 34 % by weight  
Chemical Formula : HCl  
Molecular Weight : 36.46 g/mole  
CAS Registry No. : 7647-01-0

### III. HAZARDS IDENTIFICATION

THIS PRODUCT MAY BE : corrosive, toxic and a major potential hazard upon contact to skin, eyes and respiratory tract.

#### TOXICITY ROUTES OF EXPOSURE :

**Ingestion** can cause severe burns of the mucous membranes of the mouth, esophagus and stomach; pain, nausea and vomiting may also occur.

**Inhalation** causes irritation of the upper respiratory tract resulting in cough, burning of the throat and choking sensation.

**Skin contact** to a high concentration of the HCl gas or liquid may cause burns; repeated or prolonged exposures to dilute solutions may cause dermatitis.

**Eye exposure** to high concentration of the acid can cause eye irritation to severe destruction like prolonged or permanent visual impairment, including blindness. These effects occur rapidly affecting all parts of the eye. Mist can also cause irritation to destructive burns.

OVEREXPOSURE : Can cause serious damage to all body tissues contacted.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Fumes may aggravate eye, skin or respiratory conditions. Effects are usually limited to inflammation and occasionally ulceration of the nose, throat and larynx, if inhaled deeply, pulmonary edema may occur.

## **MATERIAL SAFETY DATA SHEET**

### **(HYDROCHLORIC ACID)**

#### **IV. FIRST AID MEASURES**

SKIN	: Remove contaminated clothing and immediately wash skin for a minimum of 15 minutes. Call or see a physician.
EYES	: Immediately flush eyes with large amount of water. Occasionally lifting the upper and lower eyelids and rotating the eyeballs. Continue flushing for a minimum of 15 minutes. Call a physician.
INHALATION	: Remove to fresh air. If breathing stops, administer artificial respiration. Call a physician.
INGESTION	: DO NOT induce vomiting. Rinse or wash mouth with water. If person is conscious, give 2 or more glasses of water. If unconscious, never give anything by mouth. See a physician immediately.

#### **V. FIRE FIGHTING MEASURES**

Autoignition Point	: Not Applicable
Flash Point	: Not Applicable
Flammability/Explosive limits	: Not Applicable
Fire/Explosion Hazards	: Emits toxic and choking fumes of hydrogen chloride. Hydrochloric acid is not flammable but flammable and explosive hydrogen gas may be formed on contact with metals.
Fire Extinguishing Media	: Not Applicable

#### **VI. ACCIDENTAL RELEASE MEASURES**

<b>IN CASE OF SPILL OR RELEASE</b>	: Move people from the area. Move upwind. Avoid contact with acid. Stop leaks if safe to do so. Reposition container if this will reduce or stop leakage. If leak continues, remove leaking container from vehicle or move other materials from vehicle away from container. Absorb spill with sand or earth. If available, cover the spill with excess soda ash, lime or sodium bicarbonate, otherwise, wash away with large amounts of water. Scoop slurry to plastic drums. If leak cannot be safely stopped or if contents cannot be safely transferred to a sound container, contact fire brigade.
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# **MATERIAL SAFETY DATA SHEET**

## **(HYDROCHLORIC ACID)**

### **VII. HANDLING AND STORAGE**

Storage Requirements FOR SMALL VOLUMES	: Keep container tightly closed. : Maybe stored in plastic jugs, carboys, and plastic drums.
FOR LARGE VOLUMES	: Store in rubber-lined or epoxy lined steel storage tanks or fiber glass reinforced polyester (FRP) tanks.
Incompatible Materials	: Store away from heat
Use Instructions	: Wear suitable protective clothing, gloves and eye/face protection. In case of insufficient ventilation, wear suitable respiratory equipment.

### **VIII. EXPOSURE CONTROLS AND PROTECTION**

Ventilation	: Use only in well-ventilated areas.
Protective Equipment for the eyes and skin :	Splash proof and face shield goggles, disposable latex/ rubber apron, PVC rain suit, rubber boots with pant legs over boots.
Respiratory Protection Requirements	: NIOSH/MSHA approved respirator should be used.
Precautionary Hygiene/control measures	: Avoid contact with skin, eyes, and clothing. Do not breathe mist or vapor. Wash thoroughly after handling. Safety showers and eye wash fountains should be available in storage and handling area. Any protective clothing contaminated with hydrochloric acid should be removed immediately and thoroughly laundered before wearing again.

### **IX. PHYSICAL AND CHEMICAL PROPERTIES**

STATE	: fuming liquid
APPEARANCE	: colorless to slightly yellow
ODOR	: Irritating
pH	: Strong acid <1
BOILING POINT	: 850 C
FLASH POINT	: Not determined
SPECIFIC GRAVITY	: 1.150 -1.164
VAPOR PRESSURE	: 20 hPa @ 200 C
SOLUBILITY IN	: WATER: miscible, BASE : miscible

## **MATERIAL SAFETY DATA SHEET**

### **(HYDROCHLORIC ACID)**

#### **X. STABILITY AND REACTIVITY**

Stability : Stable under normal handling conditions.  
Hazardous polymerization will not occur.

Hazardous decomposition product : HCl gas will not decompose.

Materials and conditions to avoid (incompatibility) are : Avoid high temperatures. Containers may burst.  
Corrosive to most metals, concrete, some plastics, some rubber and coatings. Fumes forms droplets which settle and promote corrosion of metals and unprotected equipment.  
Mixing with strong acids can cause evolution of hydrogen chloride gas. Oxidizing agents will cause the release of toxic chlorine gas. Contact of liquid acid or gas with alkali or active metal may develop enough heat to cause fire in adjacent combustible material.

#### **XI. TOXICOLOGICAL INFORMATION**

Reproductive Effects : No data available  
MUTAGENICITY : Not applicable  
CANCER INFORMATION : Not applicable

#### **XII. ECOLOGICAL INFORMATION**

ECOTOXICITY DATA : High acidity may pose potential hazard to plant and marine life.

WATER-POLLUTION RISK CLASSIFICATION : Slightly waterpolluting substance.

#### **XIII. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all Government and Local regulations.

#### **XIV. TRANSPORT INFORMATION**

Transportation of Dangerous Goods

TDG Classification : Do not ship by air.  
DOT Hazard Classification : Class 8 : Corrosive: Group II  
DOT Shipping Name : Hydrochloric acid ID: UN 1789

# **MATERIAL SAFETY DATA SHEET**

## **(HYDROCHLORIC ACID)**

### **XV. REGULATORY INFORMATION**

No data available

### **XVI OTHER INFORMATION**

This MSDS contains information under the sixteen (16) section headings required by ISO 11014 "Safety Data Sheet for Chemical Products".

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Quality System Procedure  
Title: SDS | FG/SDS/10.01.00  
Effective Date: 10.04.2025 | Issue No: 1.8

## Safety Data Sheet

### **INDION® 1992**

#### 1) Identification of Chemical Product and Company

Chemical Product Name : **INDION 1992**

Company Identification : Ion Exchange (I) Ltd,  
19/A, Phase II, Indl. Development Area,  
Patancheru – 502319, Sangareddy (Dist),  
Telangana, INDIA.

Emergency Contact : (+91)- 7995073719  
Nos. (+91)- 7995073708

Time Zone : + 5Hrs 30 Mints GMT

#### 2) Composition and Information on Ingredients

Description	CAS No.	Composition
Sodium bisulfite	7631-90-5	25 – 40%

#### 3) Hazard Identification

Harmful by inhalation and ingestion. Can cause irritation to skin.



## 4) First Aid Measures

- Inhalation : Mist may cause irritation to the respiratory system.
- 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

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 chemi goggles. Use a face shield as needed.
- Hand Protection : Wash hands with soap before eating / drinking.

## 9) Typical Physical Data and Chemical Properties

Appearance	: A clear colorless to pale yellow liquid
pH as such	: 4.0 – 6.0
Specific Gravity	: 1.20 - 1.30
Odor	: None
Solubility	: Freely soluble

## 10) Stability and Reactivity

Stability : Stable under normal conditions.

Conditions to avoid : Keep away from heat.

Material to avoid : Dehydrating agents, heavy metals.

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 compound having least value, out of known data of all ingredients used is furnished below.

ORAL (LD50): Acute: 1131 mg/kg [Rat].

## 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 SDS 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.

Quality System Procedure  
Title: SDS | FG/SDS/10.01.00  
Effective Date: 15.12.2023 | Issue No: 1.10

## Safety Data Sheet

# INDION<sup>®</sup> 2810

### 1) Identification of Chemical Product and Company

Chemical Product Name : **INDION 2810**

Company Identification : Ion Exchange (I) Ltd,  
19/A, Phase II, Indl. Development Area,  
Patancheru – 502319, Sangareddy (Dist),  
Telangana, INDIA.

Emergency Contact : (+91)- 7995073719  
Nos. (+91)- 7995073708

Time Zone : + 5Hrs 30 Mints GMT

### 2) Composition And Information On Ingredients

Description	CAS No	Consumption
Citric Acid	CAS No 77-9-29	60-70%

### 3) Hazard Identification

May cause irritation to eyes and skin. Harmful if swallowed.



## 4) First Aid Measures

- Inhalation : Mist may cause irritation to the respiratory system.
- 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

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

Appearance	:	A clear colorless to pale yellow liquid
pH as such	:	<2.0
Specific Gravity	:	1.05 – 1.15
Odor	:	None
Solubility	:	Freely soluble in water

## 10) Stability and Reactivity

Stability	:	Stable under normal conditions
Conditions to avoid	:	Keep away from heat.
Material to avoid	:	Avoid contact with strong acids/oxidizing agents.
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 compound having least value, out of known data of all ingredients used is furnished below.

ORAL (LD50): Acute: 3900 mg/kg [Rat.]. 3100 mg/kg [Mouse].

## 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.

**CLASS: NA, PACKING GROUP: NA , UN NO: NA**

## 15) Regulatory Information

Not Applicable.

## 16) Other Information

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Quality System Procedure  
Title: SDS | FG/SDS/10.01.00  
Effective Date: 04.09.2024 | Issue No: 1.10

## Safety Data Sheet

# INDION<sup>®</sup> 2816

### 1) Identification of Chemical Product and Company

Chemical Product Name : **INDION 2816**

Company Identification : Ion Exchange (I) Ltd,  
19/A, Phase II, Indl. Development Area,  
Patancheru – 502319, Sangareddy (Dist),  
Telangana, INDIA.

Emergency Contact : (+91)- 7995073719  
Nos. (+91)- 7995073708

Time Zone : + 5Hrs 30 Mints GMT

### 2) Composition And Information On Ingredients

Description	CAS No	Consumption
Caustic potash flakes	1310-58-3	10-30%
Tri Sodium Phosphate	7601-54-9	1 – 10%

### 3) Hazard Identification

May cause irritation to eyes and skin. Harmful if swallowed.



## 4) First Aid Measures

- Inhalation : Mist may cause irritation to the respiratory system.
- 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

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

Appearance	:	A clear colorless to pale yellow liquid
pH as such	:	>12.0
Specific Gravity	:	1.15 – 1.25
Odor	:	None
Solubility	:	Freely soluble in water

## 10) Stability and Reactivity

Stability	:	Stable under normal conditions
Conditions to avoid	:	Keep away from heat.
Material to avoid	:	Strong oxidant.
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 compound having least value, out of known data of all ingredients used is furnished below.

ORL-MUS LD50 30 mg kg<sup>-1</sup>

## 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.

**CLASS: 8, PACKING GROUP: II , UN NO: 1813**

## 15) Regulatory Information

Not Applicable.

## 16) Other Information

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Quality System Procedure  
Title: SDS | FG/SDS/10.01.00  
Effective Date: 15.12.2023 | Issue No: 1.4

## Safety Data Sheet

# INDION® 2825

### 1) Identification of Chemical Product and Company

Chemical Product Name : **INDION 2825**

Company Identification : Ion Exchange (I) Ltd,  
19/A, Phase II, Indl. Development Area,  
Patancheru – 502319, Sangareddy (Dist),  
Telangana, INDIA.

Emergency Contact : (+91)- 7995073719  
Nos. (+91)- 7995073708

Time Zone : + 5Hrs 30 Mints GMT

### 2) Composition and Information on Ingredients

Description	CAS No.	Composition
Inorganic Hydroxide	CAS No: 1310-73-2	40 - 50%

### 3) Hazard Identification

Harmful by inhalation and ingestion. Can cause irritation to skin.



## 4) First Aid Measures

- Inhalation : Mist may cause irritation to the respiratory system.
- 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

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

Appearance	: A clear colorless to pale yellow liquid.
pH	: > 12.0
Specific Gravity	: 1.15 – 1.30
Odor	: None
Solubility	: Freely soluble in water

## 10) Stability and Reactivity

Stability : Stable under normal conditions.

Conditions to avoid : Keep away from heat.

Material to avoid : Strong acids.

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 compound having least value, out of known data of all ingredients used is furnished below.

IPR-MUS LD50 40 mg kg<sup>-1</sup>

## 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.

**CLASS: 8 , PACKING GROUP: II , UN NO: 1824**

## 15) Regulatory Information

Not Applicable.

## 16) Other Information

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Quality System Procedure  
Title: SDS | FG/SDS/10.01.00  
Effective Date: 15.12.2023 | Issue No: 1.10

## Safety Data Sheet

# INDION<sup>®</sup> 2826

### 1) Identification of Chemical Product and Company

Chemical Product Name : **INDION 2826**

Company Identification : Ion Exchange (I) Ltd,  
19/A, Phase II, Indl. Development Area,  
Patancheru – 502319, Sangareddy (Dist),  
Telangana, INDIA.

Emergency Contact : (+91)- 7995073719  
Nos. (+91)- 7995073708

Time Zone : + 5Hrs 30 Mints GMT

### 2) Composition And Information On Ingredients

Description	CAS No	Consumption
Di bromo propionamide	10222-01-2	1 - 15%

### 3) Hazard Identification

May cause irritation to eyes and skin. Harmful if swallowed.



## 4) First Aid Measures

- Inhalation : Mist may cause irritation to the respiratory system.
- 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

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

Appearance	: A Clear colorless to pale yellow liquid
pH as such	: <4.0
Specific Gravity at 25°C	: 1.05 – 1.15
Odor	: Mild antiseptic odor
Solubility	: Freely soluble

## 10) Stability and Reactivity

Stability	: Stable under normal conditions.
Conditions to avoid	: Keep away from heat.
Material to avoid	: Strong base.
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.

**CLASS: 9, PACKING GROUP: III , UN NO: 3082**

## 15) Regulatory Information

Not Applicable.

## 16) Other Information

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Quality System Procedure  
Title: SDS | FG/SDS/10.01.00  
Effective Date: 15.12.2023 | Issue No: 1.13

## Safety Data Sheet

### INDION® 7615

#### 1) Identification of Chemical Product and Company

Chemical Product Name : INDION 7615

Company Identification : Ion Exchange (I) Ltd,  
19/A, Phase II, Indl. Development Area,  
Patancheru – 502319, Sangareddy (Dist),  
Telangana, INDIA.

Emergency Contact Nos. : (+91)- 7995073719  
(+91)- 7995073708

Time Zone : + 5Hrs 30 Mints GMT

#### 2) Composition And Information On Ingredients

Description	CAS No	Consumption
Sodium Hypochlorite	7684-52-9	10-15%

#### 3) Hazard Identification

May cause irritation to eyes and skin. Harmful if swallowed.



## 4) First Aid Measures

- Inhalation : Mist may cause irritation to the respiratory system.
- 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

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

- Appearance : pale yellow to yellow liquid
- pH as such : >12.0
- Specific Gravity : 1.25 – 1.35
- Odor : None
- Solubility : Freely soluble in water

## 10) Stability and Reactivity

- Stability : Stable under normal conditions Conditions to avoid :

Keep away from heat.

- Material to avoid : Avoid contact with strong acids.

- 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 compound 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.

**CLASS: 8, PACKING GROUP: III , UN NO: 1791**

## 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.

Quality System Procedure

Title: SDS | FG/SDS/10.01.00

Effective Date: 20.12.2023 | Issue No: 1.5

## Safety Data Sheet

# INDION® 8111

### 1) Identification of Chemical Product and Company

Chemical Product Name : **INDION 8111**

Company Identification : Ion Exchange (I) Ltd,  
19/A, Phase II, Indl. Development Area,  
Patancheru – 502319, Sangareddy (Dist),  
Telangana, INDIA.

Emergency Contact : (+91)- 7995073719  
Nos. (+91)- 7995073708

Time Zone : + 5Hrs 30 Mints GMT

### 2) Composition and Information on Ingredients

Description	CAS No.	Composition
Phosphonate Compounds	2809-21-04	20 - 30%
Polyacrylates	9003-07-7	10 - 20%

### 3) Hazard Identification

May cause irritation to eyes and skin. Harmful if swallowed.



## 4) First Aid Measures

- Inhalation : Mist may cause irritation to the respiratory system.
- 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

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

Appearance	: Pale yellow to yellow colored liquid
pH as such	: 2.0 – 3.0
Specific Gravity	: 1.15 – 1.25
Odor	: None
Solubility	: Freely soluble in water

## 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 compound having least value, out of known data of all ingredients used is furnished below.

Oral-Rat LD50 >2000 mg/Kg

## 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.

**CLASS: 8 , PACKING GROUP: III , UN NO: 3265**

## 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 SDS 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.



## Material Safety Data Sheet

Product Name: SODIUM HYPOCHLORITE SOLUTION

Revision date: R1-01/08/2017

### Section1: Manufacturer and Substance Identification:

#### CHEMFAB ALKALIS LIMITED

Gnanananda place  
Kalapet  
Puducherry- 605014  
India.

**Product Name:** Sodium  
Hypochlorite

**CAS#:** Mixture.7681-52-9

**UN#:** 1791

Emergency Contact number:0413- 2655111  
Email: [chemfabalkalis@draaholings.com](mailto:chemfabalkalis@draaholings.com)  
Website:www.chemfabalkalis.com  
AMAI CERN NO (Emergency Toll Free No): 1800-11-1735

### SECTION 2: Composition/Information on ingredients

#### Composition:

Name	CAS #	% by Weight
Sodium hypochlorite	7681-52-9	9 - 10
Sodium hydroxide		1-2
water		Balance

**Toxicological Data on Ingredients:** Sodium hypochlorite: ORAL (LD50): Acute: 5800 mg/kg

### SECTION 3: Hazard identification

#### Health Effects:

Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, Hazardous in case of skin contact (corrosive), of eye contact (corrosive). Slightly hazardous in case of inhalation (lung sensitizer).

### SECTION 4: First Aid Measures

#### Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.



## Material Safety Data Sheet

Product Name: SODIUM HYPOCHLORITE SOLUTION

Revision date: R1-01/08/2017

### **Skin Contact:**

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

### **Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

### **Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

### **Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

## **SECTION 5: Fire Fighting Measures**

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** combustible materials, metals, organic materials

### **Explosion Hazards in Presence of Various Substances:**

Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.

**Fire Fighting Media and Instructions:** Not applicable.

## **SECTION 6: Accidental Release Measures**

### **Spill:**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

## **SECTION 7: Handling and Storage**

### **Precautions:**

Keep locked up. Keep container dry. Keep away from heat. Keep away from sources of ignition. Keep away from combustible material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice



## Material Safety Data Sheet

Product Name: SODIUM HYPOCHLORITE SOLUTION

Revision date: R1-01/08/2017

immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as reducing agents, combustible materials, organic materials, metals, acids.

### **Storage:**

Keep container in a cool, well-ventilated area. Keep away from acids, reducing agents and combustibles.

## **SECTION 8: Exposure Controls/Personal Protection:**

### **Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

### **Personal Protection:**

Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

### **Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### **Exposure Limits:**

Sodium hypochlorite TWA: 1.0, STEL: 1.0 (ppm as Cl<sub>2</sub>) from (TLV)

## **SECTION 9: Physical and Chemical Properties.**

**Physical state and appearance:** Liquid.

**Odor** : Characteristic. Chlorine-like (Slight.)

**Taste:** Not available.

**Molecular Weight:** Not applicable.

**Color:** light Greenish yellow

**pH (1% solution/water):** Alkaline

**Critical Temperature:** Not available.

**Specific Gravity:** (Water = 1) **1.18**

**Vapor Pressure:** 2.3 kPa (@ 20°C)

**Vapor Density:** The highest known value is 0.62 (Air = 1) (Water).

**Volatility:** Not available.

**Solubility:** Easily soluble in cold water.

## **SECTION 10: Stability and Reactivity.**

**Stability:** The product is stable.



## Material Safety Data Sheet

Product Name: SODIUM HYPOCHLORITE SOLUTION

Revision date: R1-01/08/2017

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials. light, air, heat

**Incompatibility with various substances:** Reactive with reducing agents, combustible materials, organic materials, metals, acids.

**Corrosively:**

Extremely corrosive in presence of aluminum. Corrosive in presence of stainless steel (304), of stainless steel(316). Non-corrosive in presence of glass.

### SECTION 11: Toxicological Information.

**Routes of Entry:** Absorbed through skin. Eye contact. Inhalation. Ingestion.

**EFFECTS:** Contains material which may cause damage to the following organs: lungs, mucous membranes, skin, eyes.

**Other Toxic Effects on Humans:**

Very hazardous in case of skin contact (irritant), of ingestion, Hazardous in case of skin contact (corrosive), of eye contact (corrosive). Slightly hazardous in case of inhalation (lung sensitizer, lung corrosive).

**Special Remarks on other Toxic Effects on Humans:**

Potential Health Effects: Can cause severe irritation and possible burns to skin and eyes. Eye contact may also cause corneal and conjunctival edema, conjunctival hemorrhages.

### SECTION 12: Ecological Information.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

### SECTION 13: Disposal Consideration.

**Waste Disposal:**

Dilute with water and flush to sewer if local ordinances allow otherwise, whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### SECTION 14: Transport Information:

**DOT Classification:** Class 8: Corrosive material



## Material Safety Data Sheet

Product Name: SODIUM HYPOCHLORITE SOLUTION

Revision date: R1-01/08/2017

Corrosive Symbol:



### SECTION 15: Regulatory Information:

#### Protective Equipment:

Gloves, Full suit, Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

### SECTION 16: Other Information:

The Information provided in this MSDS is given in good faith and is correct to the best of our knowledge and information at the date of Publication. It is designed only a guidance of safe handling, transportation, use and disposal. No Warranty is expressed or implied.

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Revision History:

Revision	Effective date	Changed Date



## **MATERIAL SAFETY DATA SHEET**

### **Sodium Metabisulfite**

#### ***Section 1 : Chemical Product and Company Identification***

**Product Name:** Sodium metabisulfite

**CAS#:** 7681-57-4

**Synonym:** Disodium disulfite; Disodium pyrosulfite; Sodium Pyrosulfite; Sodium Metabisulfite

**Chemical Formula:** Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>

**Supplied By:**

RHONDA INDUSTRIAL CO.,LIMITED

ROOM 1607 TREND CENTRE 29-31 CHEUNG LEE STREET CHAI WAN HK

Tel: 00852-29738324

#### ***Section 2 : Composition and Information on Ingredients***

##### **Composition:**

<b>Name</b>	<b>CAS #</b>	<b>by Weight</b>
Sodium metabisulfite	7681-57 -4	100%

#### ***Section 3: Hazards Identification***

##### **Potential Acute Health Effects:**

Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator), of eye contact (irritant).

##### **Potential Chronic Health Effects:**

Slightly hazardous in case of skin contact (sensitizer), of ingestion, of inhalation (lung irritant).

CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.

MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.

The substance may be toxic to upper respiratory tract, skin, eyes.

Repeated or prolonged exposure to the substance can produce target organs damage.

#### ***Section 4 : First Aid Measures***

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse.

Thoroughly clean shoes before reuse. Get medical attention.



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**Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

### **Section 5 : Fire and Explosion Data**

**Flammability of the Product:** Non-flammable.

#### **Special Remarks on Fire Hazards:**

When heated to decomposition it emits toxic fumes of SO<sub>x</sub>, Na<sub>2</sub>O.

Decomposes on heating to form sodium sulfate

### **Section 6 : Accidental Release Measures**

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

### **Section 7: Handling and Storage**

**Precautions:** Keep locked up.. Do not ingest. Do not breathe dust. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Moisture sensitive. Air Sensitive

### **Section 8 : Exposure Controls/ Personal Protection**

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection:** Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

#### **Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### **Section 9 : Physical and Chemical Properties**



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**Physical state and appearance:** Solid. (Crystals solid or Powdered solid.)

**Odor:** odor of sulfur dioxide

**Molecular Weight:** 190.13 g/mole

**Color:** White to yellowish.

**pH (1% soln/water):** 4.3 [Acidic.]

**Melting Point:** Decomposition temperature: 150°C (302°F)

**Specific Gravity:** 1.4 (Water = 1)

**Dispersion Properties:** See solubility in water.

**Solubility:**

Easily soluble in cold water, hot water.

Freely soluble in glycerol.

Slightly soluble in alcohol.

Moderately soluble in ethanol.

### ***Section 10: Stability and Reactivity Data***

**Stability:** The product is stable.

**Conditions of Instability:** Incompatible materials, heat, moisture, air, dust generation.

**Incompatibility with various substances:** Reactive with oxidizing agents, acids.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:**

Moisture sensitive Air sensitive.

It slowly oxidizes to sodium sulfate upon exposure to air and moisture.

Incompatible with sodium nitrite

**Polymerization:** Will not occur.

### ***Section 11: Toxicological Information***

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:**

Acute oral toxicity (LD50): 1131 mg/kg [Rat].

Acute dermal toxicity (LD50): >1000 mg/kg [Guinea pig].

**Chronic Effects on Humans:**

CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.

MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.

May cause damage to the following organs: upper respiratory tract, skin, eyes.

**Other Toxic Effects on Humans:**

Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Slightly hazardous in case of skin contact (permeator).

**Special Remarks on Chronic Effects on Humans:**

May affect genetic material (mutagenic) based on animal test data.

May cause adverse reproductive effects based on animal test data.



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### **Section 12: Ecological Information**

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

### **Section 13: Disposal Considerations**

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### **Section 14: Transport Information**

**IMDG/IMO: not regulated**

DOT Classification: Not a DOT controlled material (United States).

TDG (Canada): TDG Shipping Name: Not Regulated.

- Land transport, road (ADR) :.....no restrictions
- Land transport, rail (RID) :.....no restrictions
- Maritime transport (IMDG/IMO) :.....no restrictions
- Marine pollutant :.....no
- Air transport (ICAO/IATA) :.....no restrictions

IMO Proper Shipping Name: NONE

IMO UN Number: NONE

IMO UN Class: NONE

Identification: Not applicable.

Product is not defined as dangerous under transport legislation. Non-hazardous for air, sea and road freight. It is not hazardous as per the IMDG Code

### **Section 15: Other Regulatory Information**

#### **Federal and State Regulations:**

Connecticut hazardous material survey.: Sodium metabisulfite

Illinois toxic substances disclosure to employee act: Sodium metabisulfite

Rhode Island RTK hazardous substances: Sodium metabisulfite

Pennsylvania RTK: Sodium metabisulfite

Minnesota: Sodium metabisulfite

Massachusetts RTK: Sodium metabisulfite

New Jersey: Sodium metabisulfite

California Director's List of Hazardous Substances: Sodium metabisulfite

TSCA 8(b) inventory: Sodium metabisulfite

TSCA 4(a) ITC priority list: Sodium metabisulfite

TSCA 8(a) PAIR: Sodium metabisulfite

TSCA 8(d) H and S data reporting: Sodium metabisulfite: effective: 1/26/94; sunset: 6/30/98



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### **Other Regulations:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

### **Section 16: Other Information**

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

Issued date:2023-01-01

Expriy date:2023-12-30