

# Accepta 8510: Safety data sheet

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Accepta Safety data sheet according to 91/155/EEC

## 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

### Accepta 8510

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**MSDS Code:** 0052

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Preparation:** This material is regulated as a preparation.

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Ingredient CAS No.	Weight in Percent (%)	EC Index No.	EC (EINECS) No.	Classification:
Calcium Chloride(s)	30-40	017-013-00-2	233-140-8	Xi;R36
Sodium Bisulfate(s)	25-35	016-046-00-X	231-665-7	Xi;R41
Sodium Dichloroisocyanurate Dihydrate	5-10	613-030-01-7	220-767-7	N;R50-53 R31 Xi;R36/37 Xn;R22
Sodium Chlorite(s)	15-30	n.a.	231-836-6	T; R23/24 R31 C; R34 Xn; R22 O;R8 N; R50/53

**Other Information:**

NOTE: The percentage by weight values reported for this product represent approximate formulation values.

### 3. HAZARDS IDENTIFICATION

**Most important hazards:**

Classification according to the European Directive on classification of hazardous preparations 1999/45/EC and amendments for 67/548/EEC. Contact with combustible material may cause fire. Contact with acids liberates toxic gas. Causes burns. Harmful by inhalation, in contact with skin and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Specific hazards:**

Material can be corrosive to skin and human tissues. This product is corrosive. If brought in contact with the skin, it can cause serious burns with destruction of the entire thickness of skin tissue. Personal protective equipment is required when handling this product.

### 4. FIRST AID MEASURES

**Inhalation:**

Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

**Ingestion:**

Get medical attention immediately. If person is conscious and able to swallow, give large amounts of water to dilute. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration.

**Skin Contact:**

Immediately wipe off excess material from skin. Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

**Eye Contact:**

Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

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## 5. FIRE FIGHTING MEASURES

- Extinguishing Media:** Flooding amounts of water.
- Fire Fighting Procedures:** Positive pressure, self-contained breathing apparatus. Wear full protective clothing. Apply water from a protected location or from a safe distance.
- Unusual Fire and Explosion Hazards:** Product is an oxidizer. Oxidizers decompose, especially when heated, to yield oxygen or other gases which will increase the burning rate of combustible matter.  
Contact with moisture will produce chlorine dioxide gas. The lower explosive limit (LEL) for chlorine dioxide is 10%. If large amounts of the product are involved in a fire, it is possible that the application of water mist or fog could release enough chlorine dioxide gas in a confined space to present an explosion hazard. The chlorine dioxide will dissolve harmlessly in flooding amounts of water.

## 6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up:** Contain spillage. Scoop up or vacuum into a container for reclamation or disposal. Avoid dusting. Soak up spill using an absorbent. Flush residual material to waste with an excess of water, in accordance with local regulations. If a solution of this product is spilled, take up as much as possible and place in a suitable container for disposal in compliance with local regulations.
- Personal Precautions:** Use personal protective equipment. Avoid dust formation.
- Environmental Precautions:** Do not flush into surface water or sanitary sewer system. Avoid releases to the environment.

## 7. HANDLING AND STORAGE

- General advice:** Avoid contact with heat, sparks, open flame and static discharge.  
Avoid direct sunlight.  
Keep container closed.  
Store in a cool, dry location away from incompatible materials.  
Avoid contact with water and water vapor prior to use.
- Handling and storage:** Wash thoroughly after handling.  
Avoid generating or breathing dust.  
Avoid contact with eyes, skin and clothing.  
Contaminated work clothing should be washed before reuse  
Use with adequate ventilation.  
Provide an eye wash station close to where this material is being used.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Hygiene measures:** Wash hands before breaks and immediately after handling the product.  
 Avoid contact with skin, eyes and clothing.  
 Remove and wash contaminated clothing before re-use  
 Avoid generating dust.  
 Do not smoke

**Personal Protective Equipment:** Safety glasses with side shields. Wear suitable gloves. Wear clean, body-covering clothing.

**Respiratory Protection:** Use approved respiratory protection if exposure limits are exceeded, or overexposure is likely.

**Ventilation:** General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

Ingredient CAS No.	Weight in Percent (%)	ACGIH TLV	EU Occupational Exposure Limits
Calcium Chloride(s)	30-40	None Established	None Established
Sodium Bisulfate(s)	25-35	None Established	None Established
Sodium Dichloroisocyanurate Dihydrate	5-10	None Established	None Established
Sodium Chlorite(s)	15-30	None Established	None Established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Tablets. ( $\geq 7.6$  grams in size)  
**Colour:** White  
**Odour:** Odorless to slight chlorine odor

**Boiling Point, °C:** **Min:** 120 **Max:** 190 Decomposes  
**Vapor Pressure:** Negligible  
**Specific Gravity:** 1.5 g/cc  
**Solubility (in water):** Reacts With Water  
**pH:** **Min:** 6 **Max:** 7 (0.01 % Solution in water)

**Flash Point, °C:** Not Applicable  
**Autoignition Temperature, °C:** Not Applicable  
**Lower Explosive Limit, %:** Not Applicable  
**Upper Explosive Limit, %:** Not Applicable

## 10. STABILITY AND REACTIVITY

**Stability Data:** Stable

**Conditions/Hazards to Avoid:** Heat. Exposure to light.

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<b>Incompatibility (Materials to Avoid):</b>	Strong acids or alkalies. Contact with acids may produce toxic gas. Reducing agents. Combustible material.
<b>Hazardous Reactions:</b>	Upon exposure to water vapor, chlorine dioxide gas is released.
<b>Hazardous Decomposition Products:</b>	Chlorine.
<b>Polymerization:</b>	Will not occur.
<b>Polymerization - Avoid:</b>	None anticipated.

## 11. TOXICOLOGICAL INFORMATION

### Information on Product:

<b>Acute Toxicity - Dermal:</b>	For 100 ppm chlorine dioxide solution made from a similar product: Acute Dermal LD <sub>50</sub> (rat) > 5000 mg/kg
<b>Acute Toxicity - Inhalation:</b>	For 200 ppm chlorine dioxide solution: Acute Inhalation LC50 (rat, 4-hour) > 2.07 mg/l
<b>Skin Irritation:</b>	For 100 ppm chlorine dioxide solution made from a similar product: Primary Dermal Irritation Index (rabbit) = 0.1 (slightly irritating)
<b>Eye Irritation:</b>	For 100 ppm chlorine dioxide solution made from a similar product: Primary Eye Irritation (rabbit) = non-irritating
<b>Sensitisation:</b>	For 100 ppm chlorine dioxide solution made from a similar product: Dermal Sensitization (guinea pig) = not a contact sensitizer
<b>Other Information:</b>	<b>NOTE:</b> Upon exposure to moisture, this product releases chlorine dioxide. The oral LD <sub>50</sub> in rats for chlorine dioxide has been reported as 292 mg/kg.

### Potential Health Effects:

<b>Inhalation:</b>	Harmful if inhaled. May cause corrosive burns to respiratory passages. Exposure to dust particles generated from this material causes irritation of the respiratory tract. May result in coughing, difficulty breathing and sore throat. May result in burns of the mucous membranes, bronchospasm, coughing and delayed pulmonary edema.
<b>Ingestion:</b>	Harmful if swallowed. May cause pain, nausea, vomiting and diarrhea. May cause burns of the mouth, throat and stomach. Causes severe irritation. Severe tissue damage may result
<b>Skin Contact:</b>	Harmful by skin contact. Contact with moist skin causes burns. Causes severe skin irritation. May cause toxic effects by prolonged or extensive skin contact. Prolonged contact may cause dermatitis. Contact with a dilute chlorine dioxide solution (100 ppm), made from a similar product, was slightly irritating to rabbit skin. (See Information on Product, above.)
<b>Eye Contact:</b>	Causes severe eye irritation. May cause eye burns. Causes eye damage.

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**Other Effects:**

NOTE: Upon exposure to moisture, this product releases Chlorine Dioxide gas. Inhalation of Chlorine Dioxide may cause irritation, coughing, wheezing and burns of the mucous membranes. Inhalation of large amounts may lead to pulmonary edema and bronchitis. Direct contact with Chlorine Dioxide causes eye and skin irritation and may cause burns.

**Chronic Health Hazards:** Prolonged or repeated exposure to dust may cause pulmonary problems.

**Information on Components:**

Ingredient CAS No.	Weight in Percent (%)	Acute Toxicity - Oral	Acute Toxicity - Inhalation	Acute Toxicity - Dermal	Acute Toxicity - Other
Calcium Chloride(s)	30-40	Not Available	Not Available	Not Available	Not Available
Sodium Bisulfate(s)	25-35	Not Available	Not Available	Not Available	Not Available
Sodium Dichloroisocyanurate Dihydrate	5-10	1,420 mg/kg (rat)	Not Available	Not Available	Not Available
Sodium Chlorite(s)	15-30	165 mg/kg (rat)	230 mg/m <sup>3</sup> /4 hr (rat)	Not Available	Not Available

**Carcinogenicity:**

Ingredient CAS No.	Weight in Percent (%)	IARC (See Notes)	ACGIH (See Notes)	EU Carcinogenicity (See Notes)
Calcium Chloride(s)	30-40	N	N	N
Sodium Bisulfate(s)	25-35	N	N	N
Sodium Dichloroisocyanurate Dihydrate	5-10	N	N	N
Sodium Chlorite(s)	15-30	N3	N	N

## Notes:

IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not classified or probably not carcinogenic.

ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not classified.

EU cat.: 1=Causes cancer in man; 2=Considered to be carcinogenic for man; 3A=Could be carcinogenic for man (but data insufficient for setting MAC value); 3B=Insufficient evidence for assigning to another category; 4=Carcinogenic effect with little or no genotoxicity (no increased cancer risk if MAC is observed); 5=Carcinogenic and genotoxic effects, but potency is low (no increased cancer risk if MAC is observed); N=Not classified

**Sodium Chlorite(s) -**

**Reproduction Toxicity:** Sodium chlorite has been shown to cause reproductive disorders in laboratory animals.

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## 12. ECOLOGICAL INFORMATION

### Information on Product:

<b>Environmental Fate:</b>	May cause long-term adverse effects in the aquatic environment.
<b>Ecotoxicological Information:</b>	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Persistence/Degradeability:</b>	No data available to the best of our knowledge.
<b>Mobility:</b>	This product is reactive with water releasing Hydrochloric Acid, Sodium, Calcium, and Chloride ions.

### **Sodium Chlorite(s) -**

**Component Ecotoxicity:** Daphnia magna, 48 hour TL50: 0.29 mg/l (No effect level: 0.10 mg/l)  
 Mallard duck, dietary LC50: 10,000 ppm

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** National and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

**Contaminated Packaging:** Empty contaminated containers/packaging must be handled according to applicable regulations for the hazardous properties of the contaminating material.

## 14. TRANSPORT INFORMATION

### ADR/RID

**HI UN Number:** UN2813  
**ADR Class:** 4.3  
**Proper shipping name:** Water-reactive solid, n.o.s. (Sodium Chlorite, Dichloroisocyanuric acid salts)  
**ADR Packing Group:** II  
**Classification Code:**  
**TREM-CARD (Cefic-card):**

### IMO/IMDG

**IMO Class etc:** UN2813, Class 4.3, Packaging Gp II  
**Proper shipping name:** Water-reactive solid, n.o.s. (Sodium Chlorite, Dichloroisocyanuric acid salts)

### ICAO/IATA

**UN/ID No:** UN2813  
**ICAO Class:** 4.3  
**Proper shipping name:** Water-reactive solid, n.o.s. (Sodium Chlorite, Dichloroisocyanuric acid salts)

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**ICAO Packing Group:**  
**Packing Instruction:**

II  
 415/417  
 NOTE: This classification applies to air transport within U.S. jurisdiction.  
 Classification for air transport outside of U.S. jurisdiction is: Not  
 Regulated.

## 15. REGULATORY INFORMATION

### Europe:

#### Indication of Danger:

O - Oxidizing. C - Corrosive. N - Dangerous For The Environment.



#### Category of Danger:

Oxidising, Corrosive, Harmful, Dangerous for the environment

#### Risk Phrases:

R 8 - Contact with combustible material may cause fire.  
 R31 - Contact with acids liberates toxic gas.  
 R34 - Causes burns.  
 R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety Phrases:

S 2 - Keep out of reach of children.  
 S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).  
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S60 - This material and its container must be disposed of as hazardous waste.  
 S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.  
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

#### Contains:

Sodium Chlorite

#### Water Endangering Class (WGK):

Not determined.

#### International Inventories:

##### **United States:**

This product or its ingredients are listed on or compliant with the TSCA Inventory.

##### **Canada:**

This product or its ingredients are listed on or compliant with the DSL

##### **Europe:**

This product or its ingredients are listed on or compliant with EINECS.

##### **Japan:**

This product or its ingredients are listed on or compliant with MITI.

##### **Australia:**

This product or its ingredients are listed on or compliant with AICS.

##### **Korea:**

Not Determined

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**Philippines:**

This product or its ingredients are listed on or compliant with PICCS.

**China:**

This product or its ingredients are listed on or compliant with the IECSC.

<b>16. OTHER INFORMATION</b>
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**Text of R Phrases mentioned in Section 2:**

R 8 - Contact with combustible material may cause fire.

R22 - Harmful if swallowed.

R31 - Contact with acids liberates toxic gas.

R34 - Causes burns.

R36 - Irritating to eyes.

R41 - Risk of serious damage to eyes.

R50 - Very toxic to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

R23/24 - Toxic by inhalation and in contact with skin.

R36/37 - Irritating to eyes and respiratory system.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Revision number:**

0

**Section(s) Revised in this**

Product Name

**Version:**

Section 9: Physical and Chemical Properties

Section 14: Transportation Information

Section 15: Regulatory Information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.