

SAFETY DATA SHEET
Based on Regulation (EC) No 2001/58/EC

ACCEPTA 8552a

1. Identification of the substance / preparation and the company.

Product name and code: Accepta 8552a

Company identification: Accepta Ltd.
Statham House, Talbot Road
Old Trafford, Manchester. M32 0FP
Telephone : (+44) 161 877 2334
Telefax : 0870 135 6389

Emergency telephone number: (+44) 161 877 2334

2. Composition / information on ingredients.

Ingredient	% weight	CAS#	EG#	Risk Phrases	Hazard Symbols
Sodium hydrogen sulfate	> 90 %	7681-38-1		R-41,	Xi

Other ingredients are trade secret, not classified as dangerous according to EEC Dangerous Substance Directive.

Full text of each relevant R phrase can be found in heading 16.

3. Hazard identification.

Irritant (Xi) R 41 – Risk of serious damage to eyes.

4. First – aid measures.

General: In case of doubt or persistent symptoms, call a physician.
Never give anything by mouth to an unconscious person.

First Aid Measures

-Inhalation: Remove victim into fresh air.
Allow the affected person to rest.
Seek medical attention immediately.

-Skin Contact: Remove contaminated clothing.
Rinse skin immediately with mild soap and plenty of water. (shower if necessary).
Obtain medical attention if irritation of skin develops.

-Eye Contact: Rinse immediately thoroughly and long (at least 15 min.) with plenty of water.
Remove contact lenses after a few minutes rinse.
Take to eye doctor afterwards.

After ingestion: DO NOT INDUCE VOMITING. Rinse mouth out with water.
Give water to drink.
Seek medical attention or take to hospital.

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5. Fire Fighting Measures.

Extinguishing media
- Suitable: Incombustible product.
Special Procedures: In case of nearby fire, preferably not use water.
Special Exposure Hazards: Fire may liberate toxic and corrosive vapours. (Sulfur oxides)
Special Protective Equipment
For Firefighters: Use self-contained breathing apparatus when in close proximity to fire.

6. Accidental Release Measures.

General information: Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions: Prevent entry of product in public water, sewers or soil.
Spills / Leaks: Notify authorities if product enters sewers or public waters.
Collect the spillage in closable, suitable disposal containers.
Residue is to be washed down with plenty of water.
Neutralise rinse liquid with base.

7. Handling and Storage.

Handling: Ventilate area. Avoid dust creation.
Avoid breathing powder. Avoid contact with skin and eyes. Wear recommended personal protective equipment. (see chapter 8).
Storage: Store in a cool, dry place. Store in a tightly closed packaging/container.
Keep away from: Strong bases.

8. Exposure Controls / Personal Protection.

Engineering Measures
to reduce Exposure: Ventilate area.
Industrial Hygiene: When using, do not eat, drink or smoke.
Emergency eye wash fountains and showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment

Eyes : Chemical goggles.
Skin: Gloves (PVC, Neoprene,...).
Clothing: Wear suitable protective clothing.
Respirators: Ventilation , Local exhaust, Respiratory protection equipment (Filter type ABEKP2).

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9. Physical and Chemical Properties.

General information.

Physical State:	Little white balls.
Colour:	White.
Odour:	Odourless.
pH:	1,3 (1 % sol. H ₂ O)
Vapour pressure:	Not applicable.
Viscosity:	Not applicable.
Boiling point:	Not applicable.
Congealing/Melting Point:	180° C.
Flash point:	Not applicable.
Explosion Limits in air:	Not applicable.
Solubility in water:	800 g/l water @ 20°C.

10. Stability and Reactivity.

Chemical Stability:	Stable at normal circumstances.
Conditions to Avoid:	Heating. Moisture. (Aqueous solution is corrosive to most metals and liberates the combustible and explosive hydrogen gas.)
Materials to Avoid:	Bases.
Hazardous Decomposition Products:	Fire may liberate toxic and corrosive vapours. (Sulfur oxide)

11. Toxicological Information.

Acute Toxicity	
Inhalation:	May cause strong irritation to the respiratory tract. Symptoms include: Cough, Shortness of breath.
Skin Contact:	May cause irritation. (Mainly humid product.) Symptoms include: Redness, Pain.
Eye Contact:	Stinging to eyes. Risk of serious damage to eyes; Symptoms include: Pain, Redness, Bad vision.
Ingestion:	Symptoms include: Abdominal pain, Vomiting.

12. Ecological Information.

Mobility:	Good solubility in water.
Persistence and Degradability:	No data available.
Bioaccumulation:	Little chance on bioaccumulation.
Ecotoxicity:	Weak water pollutant (WGK1). EC50 (Daphnia magna, 48 h): 190 mg/l.

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Waste from Residues/Unused Products: The product has to be destroyed according to national or local legislation, by a company specialised in handling hazardous waste products.

Removal contaminated Packaging: Packaging is to be used exclusively for the packing of this product. After use, empty the packaging very carefully.

Land (Road/Railroad, ADR/RID): Product not mentioned in list of dangerous goods for road transport.

Sea Transport (IMDG): Product not mentioned in list of dangerous goods for sea transport.

15. Regulatory Information.

European / International Regulations

European Labeling in Accordance with EC Directives

EC hazard symbol: Xi



Irritant

R – (Risk Phrases): R 41 Risk of serious damage to eyes.

S – (Safety Phrases): S 24 Avoid contact with skin.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other Information.

This safety data sheet has been drawn up in accordance with the Directive 2001/58/EC.
This safety data sheet is exclusively made for industrial/professional use.

Full text of any R phrases referred to under heading 2:

R8: Contact with combustible material may cause fire.
R23/24/25: Toxic by inhalation, in contact with skin if swallowed.
R31: Contact with acids liberates toxic gas.
R34: Causes burns.

Sources of key data used: The information contained herein is based on the present state of our knowledge (Chemieproducers, ...)

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the properties of the product. It is always the duty of users to determine the applicability of such information and recommendations and the suitability of any products for their own particular purpose.

SAFETY DATA SHEET
Based on Regulation (EC) No 2001/58/EC

ACCEPTA 8552b

1. Identification of the substance / preparation and the company.

Product name: Accepta 8552b

Company identification: Accepta Ltd.
Statham House, Talbot Road
Old Trafford, Manchester, M32 0FP
Telephone : +44(0) 161 877 2334
Telefax : +44(0) 870 135 6389

Emergency telephone number: +44(0) 161 877 2334

2. Composition / information on ingredients.

Ingredient	% weight	CAS#	EC#	Risk Phrases	Hazard Symbols
Sodium chlorite	80 %	7758-19-2		08-23/24/25-31-34	O T

Other ingredients are trade secret, not classified as dangerous according to EEC Dangerous Substance Directive.

Full text of each relevant R phrase can be found in heading 16.

3. Hazard identification.

Toxic (T): R23/24/25 – Toxic by inhalation, in contact with skin and if swallowed.

Corrosive (C): R34 – Causes burns.

Oxidizing (O): R08 – Contact with combustible material may cause fire.

Other: R31 – Contact with acids liberates toxic gas.

4. First – aid measures.

General: In case of doubt or persistent symptoms, call a physician.
Never give anything by mouth to an unconscious person.

First Aid Measures

Inhalation: Remove victim to fresh air. Allow the affected person to rest.
Take patient to hospital IMMEDIATELY.

Skin Contact: Rinse immediately with plenty of water. Remove contaminated clothing. Rinse abundantly with water. (shower if necessary). Consult doctor.

Eyes Contact: Rinse immediately thoroughly and long (at least 15 min.) with plenty of water.
Remove contact lenses. Take to eye doctor afterwards.
Keep rinsing or dripping the eye during transport.

After ingestion: Rinse mouth with water.
Seek medical attention IMMEDIATELY or take to hospital.

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5. Fire Fighting Measures.

Extinguishing media:
- Suitable: Incombustible product, but stimulates fire of other materials.
In case of nearby fire, use preferably plenty of water.

Special Procedures: Apply water spray or fog to cool nearby equipment. Avoid fire-fighting water to enter environment.

Special Exposure Hazards: Fire may liberate toxic and irritating vapours.

Special Protective Equipment for Firefighters: Use self-contained breathing apparatus and wear protective clothes when in close proximity to fire.

6. Accidental Release Measures.

Personal Precautions: Evacuate all personnel immediately and ventilate area. Avoid breathing vapour and contact with skin, eyes and clothing. Wear recommended personal protective equipment. (See chapter 8).

Environmental Precautions: Prevent entry of product in public water, sewers or soil.
Notify authorities if product enters sewer or public waters.

Method for Cleaning Up: Collect the spillage in corrosion resistant, suitable disposal containers. Never throw spilled product back into the original containers/packaging. Clean up any spills as soon as possible, using an inert absorbent material and eliminate as hazardous waste.
Neutralise liquid with adapted reductor. (bv. Sodium bisulfite)
Rinse abundantly with water.

7. Handling and Storage.

Handling: Avoid dust creation. Avoid breathing the product and contact with skin, eyes and clothing. Avoid splashing and formation of vapour when emptying, pouring, diluting or dissolving the product.
Wear recommended personal protective equipment. (See chapter 8).
Drums and tools used during treatment of the product may not be contaminated.

Storage: Keep only in the original packaging in a cool, well-ventilated and fireproof place. Keep away from: Reducing agents, Acids, Combustibles.

Packaging Material: PVC, PE, Polyester, Glass.

Insuitable Packaging Material: Copper, Aluminium, Rubber.

8. Exposure Controls / Personal Protection.

Engineering Measures to Reduce Exposure: Ventilat area.

Industrial Hygiene: When using, do not eat, drink or smoke.
Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Occupational Exposure Limites: For components: see chapter 2.

Personal Protection Equipment -Respiratory Protection: Ventilation, Local exhaust.
Respiratory protection equipment (Combinationfilter type BP2).

-Hand Protection: Gloves (Butylrubber, PVC,...).

-Skin Protection: Face shield.

-Skin and Body Protection: Suitable protective clothing.

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9. Physical and Chemical Properties.

General information.

Physical State:	Powder.
Colour:	White.
Odour:	Odourless.
pH Value:	12 – 13 (100 g/l H ₂ O)
Boiling point:	Not applicable.
Freezing/ melting Point:	180-200 deg C (dec.)
Autoignition Temperature:	Not available.
Flash point:	Not available.
Explosion Limits in Air:	Not applicable.
Decomposition Temperature:	
Solubility in water:	70 g/1 00 ml @ 20°C.

10. Stability and Reactivity.

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, exposure to moist air or water.
Incompatibilities with Other materials:	Finely powdered metals, organic materials.
Hazardous Decomposition Products:	Hydrogen chloride.
Hazardous Polymerization:	Will not occur.

11. Toxicological Information.

Acute Toxicity

- Inhalation: May cause irritation of respiratory tract.
Inhalation of substance can cause lung oedema.
In serious cases: may cause death.
Symptoms include: Sore throat, Cough, Shortness of breath, Difficulty in breathing.
- Skin Contact: Stinging to skin.
Symptoms include: Redness, Pain, Burns.
- Eye Contact: Stinging to eyes.
Symptoms include: Pain, Redness, Bad vision.
- Ingestion: Symptoms include: Vomiting, Burning pain in mouth, Throat, oesophagus and stomach.
Difficulty in breathing, Abdominal cramps.
LD50 (rat,oral): 284 mg NaClO₂/kg.

Other Toxicological Information: Symptoms of lung oedema mostly reveal after a few hours, intensified by physical effort.

12. Ecological Information.

Mobility:	Good solubility in water.
Bioaccumulation:	No data available.
Ecotoxicity:	Toxic to aquatic organisms.

13. Disposal Considerations. Dispose of a manner consistent with federal, state, and local regulations.

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14. Transport Information

	<u>RID / ADR</u>	<u>IMO</u>	<u>IATA</u>
Shipping Name:	Sodium Chlorite	Sodium Chlorite	Sodium Chlorite
Hazard Class:	5.1	5.1	5.1
UN Number:	1496	1496	1496
Packing Group:	II	II	II

15. Regulatory Information

European / International Regulations

European Labeling in Accordance with EC Directives

EC hazard symbol:

T O

R – (Risk Phrases): R 08 - Contact with comustible material may cause fire.
R 23/24/25- Toxic by inhalation, in contact with skin and if swallowed.
R 31 - Contact with acids liberates toxic gas.
R 34 - Causes burns.

S – (Safety Phrases): S 07 - Keep container tightly closed.
S 14 – Keep away from reducing materials.
S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. Other Information

This safety data sheet has been drawn up in accordance with the Directive 2001/58/EC.
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Full text of any R phrases referred to under heading 2:

R08: Contact with comustible material may cause fire.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R31: Contact with acids liberates toxic gas.
R34: Causes burns.

Sources of key data used: The information contained herein is based on the present state of our knowledge (Producer, ...)

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the properties of the product. It is always the duty of users to determine the applicability of such information and recommendations and the suitability of any products for their own particular purpose.