

## Safety Data Sheet

### Brighto

#### SECTION 1: Identification

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##### Product identifier

Product name Brighto

Product number 6238

##### Supplier's details

Name Ardex Labs.  
Address 2050 Byberry Rd  
Philadelphia, PA 19116  
United States of America

Telephone 2156980500  
email info@ardexlabs.com

##### Emergency phone number(s)

800-424-9300  
CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE  
NUMBER

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### GHS classification in accordance with OSHA (29 CFR 1910.1200)

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 1
- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Corrosive to metals (chapter 2.16), Cat. 1

##### GHS label elements, including precautionary statements

##### Pictogram



##### Hazard statement(s)

H290 May be corrosive to metals  
H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

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### Precautionary statement(s)

#### Prevention

P234

Keep only in original container.

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P264

Wash hands and exposed skin thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P301+P312

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell,

P301+P330+P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor

P330

Rinse mouth.

P363

Wash contaminated clothing before reuse.

P390

Absorb spillage to prevent material damage.

#### Storage

P405

Store locked up.

P406

Store in a corrosive resistant container with a resistant inner liner.

#### Disposal

P501

Dispose of contents/container to local, state, and federal regulations

## SECTION 3: Composition/information on ingredients

### Mixtures

#### Hazardous components

Component	Concentration
Ethylenediamine Tetraacetic Acid, Tetrasodium Salt Dihydrate (CAS no.: 10378-23-1; EC no.: 200-573-9; Index no.: 607-428-00-2)	< 2 % (Volume)
CLASSIFICATIONS: Acute toxicity, oral (chapter 3.1), Cat. 4; Eye damage/irritation (chapter 3.3), Cat. 1. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage.	
Sodium metasilicate (CAS no.: 6834-92-0; EC no.: 229-912-9; Index no.: 014-010-00-8)	< 5 % (Volume)
CLASSIFICATIONS: Skin corrosion/irritation (chapter 3.2), Cat. 1B; Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3; Corrosive to metals (chapter 2.16), Cat. 1. HAZARDS: H314 - Causes severe skin burns and eye damage; H335 - May cause respiratory irritation.	
Sodium phosphate, tribasic (CAS no.: 7758-29-4)	< 10 % (Volume)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

## SECTION 4: First-aid measures

### Description of necessary first-aid measures

General advice

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

If inhaled

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

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In case of skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.
If swallowed	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Never give anything by mouth to an unconscious person. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

Personal protective equipment for first-aid responders  
See Section 8 for exposure and PPE recommendations

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

### Specific hazards arising from the chemical

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

### Special protective actions for fire-fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO<sub>2</sub>).

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## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

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For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

### Environmental precautions

May be harmful to the environment if released in large quantities. Avoid dispersal of spilled concentrate material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material in concentrate

### Methods and materials for containment and cleaning up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: None classified.

### Specific end use(s)

Automotive wheel cleaner

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## SECTION 8: Exposure controls/personal protection

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed. Do not eat drink or smoke when using this product.

### Individual protection measures, such as personal protective equipment (PPE)

#### Pictograms



#### Eye/face protection

Protective goggles or glasses.

#### Skin protection

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Wear impermeable gloves (butyl or heavy vinyl/latex type)

### Body protection

Wear suitable clothing.

### Respiratory protection

If TLV limits are exceeded a respirator should be worn.

### Thermal hazards

No data available.

### Environmental exposure controls

Do not allow the product to be released into the environment.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	CLEAR, FREE-FLOWING LIQUID
Odor	Characteristic... Straw
Odor threshold	
pH	13
Melting point/freezing point	32f (0c)
Initial boiling point and boiling range	212f (100c)
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1-1.321 (@20c)
Solubility(ies)	Miscible
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

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## SECTION 10: Stability and reactivity

### Reactivity

Hazardous reactions will not occur under normal conditions.

### Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Incompatible materials.

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### Incompatible materials

Avoid strong oxidizers and strong acids and highly electrovalent metals (e.g. Al, Mg, Fe, etc.)

### Hazardous decomposition products

Toxic gases (such as Formic Acid and Carbon Monoxide)

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Ethylenediamine Tetraacetic Acid, Tetrasodium Salt Dihydrate

LD50 Oral - Rat - 603-1260 mg/kg

Sodium phosphate, tribasic

LD50 Oral - Rat - >2000 mg/kg - OECD guideline

Sodium phosphate, tribasic

LD50 Inhalation - Rat - >0.39 - 4h

Sodium phosphate, tribasic

LD50 Skin - Rabbit - 4640 mg/kg

Sodium metasilicate

LD50 Oral - Rat - 1152-1349 mg/kg

Result: Remarks: Gastrointestinal:Ulceration or bleeding from stomach.

#### Skin corrosion/irritation

Sodium metasilicate

OECD Dermal - Rabbit - 4h

Result: Corrosive

#### Serious eye damage/irritation

No data available. GHS classification is derived from PH level in Section 10.

#### Respiratory or skin sensitization

Sodium metasilicate

OECD Inhalation - Mouse - in vivo assay

Result: Does not cause skin sensitization

#### Germ cell mutagenicity

No data available.

#### Reproductive toxicity

Sodium metasilicate

Oral - Rat

Result: Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects

on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4).

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

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No data available.

### Aspiration hazard

No data available.

### Additional information

No data available.

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## SECTION 12: Ecological information

### Toxicity

Sodium phosphate, tribasic

EC50 - Daphnia magna (water flea) - >100 mg/l - 48h

Sodium metasilicate

LC50 - Danio rerio (zebra fish) - 210 mg/l - 96hr

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

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## SECTION 13: Disposal considerations

### Disposal of the product

Dispose of product in accordance with local, state, and federal regulations.

### Disposal of contaminated packaging

Dispose of product in accordance with local, state, and federal regulations.

### Waste treatment

No data available.

### Sewage disposal

Do not allow product to enter sewers.

### Other disposal recommendations

No data available.

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## SECTION 14: Transport information

UN Number

NA1760

UN Proper Shipping Name

CLEANING COMPOUND

(Containing Sodium Metasilicate)

Transport hazard class(es)

8

Packing group

III

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Environmental hazards

Special precautions for user  
Corrosive

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### SECTION 15: Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**Pennsylvania Right To Know Components**

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate

Disodium metasilicate (CAS: 6834-92-0)

Chemical name: Triphosphoric acid, pentasodium salt

CAS number: 7758-29-4

**New Jersey Right To Know Components**

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate

Disodium metasilicate (CAS: 6834-92-0)

**SARA 313 Components**

Acute health hazard

**Massachusetts Right To Know Components**

Chemical name: Sodium phosphate, tribasic

CAS number: 7758-29-4

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### SECTION 16: Other information

Revision Date:  
03/23/2016

Other Information:

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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