

# SAFETY DATA SHEET



Revision Date 11-Aug-2015  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Energizer  
Product code R.5014-P

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Professional Textile Cleaning  
Restrictions on use Professional Use Only

### 1.3 Details of the supplier of the safety data sheet

E-mail Address msds@chemspecworld.com

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: 1-800-424-9300 for US  
+1 703-527-3887 outside US

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

|                                   |            |
|-----------------------------------|------------|
| Acute toxicity - Oral             | Category 4 |
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 1 |
| Oxidizing solids                  | Category 2 |

### 2.2 Label elements

This product is not classified.

#### Signal Word

Danger

#### Hazard Statements

Harmful if swallowed  
Causes skin irritation  
Causes serious eye damage  
May intensify fire; oxidizer



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Keep away from heat  
Keep/Store away from clothing/ other combustible materials  
Take any precaution to avoid mixing with combustibles  
Wear protective gloves/eye protection/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTER or doctor  
IF ON SKIN: Wash with plenty of water and soap  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash it before reuse  
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
Rinse mouth  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity**

< 1% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/Information on Ingredients****Substance**

Not applicable

**Mixture**

| Chemical Name       | CAS-No     | Weight % |
|---------------------|------------|----------|
| SODIUM PERCARBONATE | 15630-89-4 | 80 - 90  |
| Sodium carbonate    | 497-19-8   | 10 - 20  |
| Sodium Metasilicate | 6834-92-0  | 1 - 5    |

The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. First aid measures****4.1 Description of first-aid measures**

**General advice** No information available.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin contact** Wash skin with soap and water.

**Inhalation** Remove to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

**4.3 Indication of any immediate medical attention and special treatment needed**

Notes to physician Treat symptomatically.

## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Unsuitable Extinguishing Media None.

### 5.2 Special hazards arising from the substance or mixture

#### Special Hazard

None known based on information supplied

Hazardous Combustion Products No information available.

#### Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

### 5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

### 6.2 Environmental precautions

See Section 12 for additional Ecological information.

### 6.3 Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Materials to Avoid No materials to be especially mentioned.

## 8. Exposure controls/personal protection

### 8.1 Exposure Guidelines

### 8.2 Appropriate engineering controls

|                             |   |
|-----------------------------|---|
| <b>Engineering Measures</b> | Showers<br>Eyewash stations<br>Ventilation systems. |
|-----------------------------|---|

### **8.3 Individual protection measures, such as personal protective equipment**

|                                 |   |
|---------------------------------|---|
| <b>Eye/Face Protection</b>      | Safety glasses with side-shields.   |
| <b>Skin and body protection</b> | Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate. |
| <b>Respiratory protection</b>   | . NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.                     |
| <b>Hygiene measures</b>         | See section 7 for more information  |

## **9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

|                       |                              |
|-----------------------|------------------------------|
| <b>Physical state</b> | Solid                        |
| <b>Appearance</b>     | free flowing wettable powder |
| <b>Color</b>          | White                        |
| <b>Odor</b>           | Odorless                     |
| <b>Odor Threshold</b> | No information available     |

| <b><u>Property</u></b>              | <b><u>Values</u></b> | <b><u>Remarks • Methods</u></b> |
|-------------------------------------|----------------------|---------------------------------|
| <b>pH</b>                           | 10.4                 | (as 1% solution)                |
| <b>Melting/freezing point</b>       |                      | No information available        |
| <b>Boiling point/boiling range</b>  |                      | No information available        |
| <b>Flash Point</b>                  |                      | No information available        |
| <b>Evaporation rate</b>             |                      | No information available        |
| <b>Flammability (solid, gas)</b>    |                      | No information available        |
| <b>Flammability Limits in Air</b>   |                      |                                 |
| upper flammability limit            |                      | No information available        |
| lower flammability limit            |                      | No information available        |
| <b>Vapor pressure</b>               |                      | No information available        |
| <b>Vapor density</b>                |                      | No information available        |
| <b>Specific Gravity</b>             |                      | No information available        |
| <b>Water solubility</b>             | Miscible with water  | No information available        |
| <b>Solubility in other solvents</b> |                      | No information available        |
| <b>Partition coefficient</b>        |                      | No information available        |
| <b>Autoignition temperature</b>     |                      | No information available        |
| <b>Decomposition temperature</b>    |                      | No information available        |
| <b>Viscosity, kinematic</b>         |                      | No information available        |
| <b>Viscosity, dynamic</b>           |                      | No information available        |
| <b>Explosive properties</b>         |                      | No information available        |
| <b>Oxidizing Properties</b>         | Oxidizing Solid      | No information available        |

### **9.2 Other information**

|   |      |
|---|------|
| <b>Volatile organic compounds (VOC) content</b> | None |
|---|------|

## **10. Stability and Reactivity**

### **10.1 Reactivity**

No data available

### **10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

None under normal processing.

**10.4 Conditions to Avoid**

Extremes of temperature and direct sunlight.

**10.5 Incompatible Materials**

None known based on information supplied.

**10.6 Hazardous Decomposition Products**

None known based on information supplied.

## 11. Toxicological information

**11.1 Acute toxicity****Numerical measures of toxicity: Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

**Oral LD50** 1,127.00 mg/kg

**Numerical measures of toxicity: Component Information**

| Chemical Name                     | LD50 Oral          | LD50 Dermal | LC50 Inhalation                      |
|-----------------------------------|--------------------|-------------|--------------------------------------|
| SODIUM PERCARBONATE<br>15630-89-4 | 1034 mg/kg ( Rat ) | -           | -                                    |
| Sodium carbonate<br>497-19-8      | 4090 mg/kg ( Rat ) | -           | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |
| Sodium Metasilicate<br>6834-92-0  | 600 mg/kg ( Rat )  | -           | -                                    |

**11.2 Information on toxicological effects****Skin corrosion/irritation**Product Information

- No information available

Component Information

- No information available

**Eye damage/irritation**Product Information

- No information available

Component Information

- No information available

**Respiratory or skin sensitization**Product Information

- No information available

Component Information

- No information available

**Germ cell mutagenicity**Product Information

- No information available

Component Information

- No information available

**Carcinogenicity**Product Information

- No information available

Component Information

- No information available

**Reproductive toxicity**Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Other adverse effects**Target Organs

- No information available

Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

< 1 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

| Chemical Name                     | Toxicity to algae | Toxicity to fish  | Toxicity to daphnia and other aquatic invertebrates |
|-----------------------------------|-------------------|---|---|
| SODIUM PERCARBONATE<br>15630-89-4 | -                 | LC50: 96 h Pimephales promelas<br>70.7 mg/L static  | EC50: 48 h Daphnia pulex 4.9 mg/L                   |
| Sodium carbonate<br>497-19-8      | -                 | LC50: 96 h Lepomis macrochirus<br>300 mg/L static LC50: 96 h<br>Pimephales promelas 310 - 1220<br>mg/L static | EC50: 48 h Daphnia magna 265<br>mg/L                |
| Sodium Metasilicate<br>6834-92-0  | -                 | LC50: 96 h Brachydanio rerio 210<br>mg/L semi-static LC50: 96 h<br>Brachydanio rerio 210 mg/L                 | -   |

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

#### **12.4 Mobility in soil**

No information available.

#### **12.5 Other adverse effects**

No information available

### **13. Disposal Considerations**

#### **13.1 Waste treatment methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### **14. Transport Information**

|                    |               |
|--------------------|---------------|
| <b><u>DOT</u></b>  | Not regulated |
| <b><u>MEX</u></b>  | Not regulated |
| <b><u>IMDG</u></b> | Not regulated |
| <b><u>IATA</u></b> | Not regulated |

### **15. Regulatory information**

#### **15.1 International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>DSL</b>           | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AICS</b>          | Complies |
| <b>NZIoC</b>         | Complies |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

#### **15.2 U.S. Federal Regulations**

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **15.3 Pesticide Information**

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Not applicable**15.4 U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**16. Other information**

|             |                        |                       |                          |   |
|-------------|------------------------|-----------------------|--------------------------|---|
| <b>NFPA</b> | <b>Health Hazard</b> 3 | <b>Flammability</b> 0 | <b>Instability</b> 0     | <b>Physical and chemical hazards</b> OX |
| <b>HMIS</b> | <b>Health Hazard</b> 3 | <b>Flammability</b> 0 | <b>Physical Hazard</b> 1 | <b>Personal protection</b> X            |

**Legend:***ACGIH (American Conference of Governmental Industrial Hygienists)**Ceiling (C)**DOT (Department of Transportation)**EPA (Environmental Protection Agency)**IARC (International Agency for Research on Cancer)**International Air Transport Association (IATA)**International Maritime Dangerous Goods (IMDG)**NIOSH (National Institute for Occupational Safety and Health)**NTP (National Toxicology Program)**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**PEL (Permissible Exposure Limit)**Reportable Quantity (RQ)**Skin designation (S\*)**STEL (Short Term Exposure Limit)**TLV® (Threshold Limit Value)**TWA (time-weighted average)***Revision Date**

11-Aug-2015

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**