

## 1. Product and Company Identification

<b>Product identifier</b>	<b>BZK Antiseptic Towelettes</b> <b>SDS No 0055</b>
<b>Other means of identification</b>	Not available
<b>Recommended use</b>	Antiseptic
<b>Recommended restrictions</b>	None known.
<b>Manufacturer</b>	Professional Disposables International, Inc. Two Nice-Pak Park Orangeburg, NY 10962-1376 Phone (USA) 1-845-365-1700 (M-F 9am - 5pm) Emergency Phone: 1-800-999-6423

## 2. Hazards Identification

<b>Physical hazards</b>	Not classified.
<b>Health hazards</b>	Not classified.
<b>Environmental hazards</b>	Not determined.
<b>OSHA defined hazards</b>	Not classified.
<b>Label elements</b>	
<b>Hazard symbol</b>	None.
<b>Signal word</b>	Not available.
<b>Hazard statement</b>	Not available.
<b>Precautionary statement</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not available.
<b>Storage</b>	Not available.
<b>Disposal</b>	Not available.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	None.

## 3. Composition/Information on Ingredients

<b>Mixture</b>	
<b>Composition comments</b>	BZK Antiseptic Towelettes is intended for professional hospital use. Active Ingredient: Benzalkonium Chloride 0.13% w/w. Inactive Ingredient: Aqua/water.

## 4. First Aid Measures

<b>Inhalation</b>	Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Skin contact</b>	In case of skin irritation, discontinue use of product.
<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Ingestion</b>	Not a normal route of exposure. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	None expected
<b>Indication of immediate medical attention and special treatment needed</b>	Treat patient symptomatically.
<b>General information</b>	Avoid contact with eyes. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wear suitable protective clothing.

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## 5. Fire Fighting Measures

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<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Specific hazards arising from the chemical</b>	Firefighters should wear a self-contained breathing apparatus.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Hydrogen chloride.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	Not available.

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## 6. Accidental Release Measures

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<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Methods and materials for containment and cleaning up</b>	Pick up and discard towelette. For waste disposal, see Section 13 of the SDS.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters.

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## 7. Handling and Storage

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<b>Precautions for safe handling</b>	For external use only. Use according to package label instructions. Discard after single use. Avoid contact with eyes. Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep out of reach of children. Store away from incompatible materials (see Section 10 of the SDS).

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## 8. Exposure Controls/Personal Protection

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<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	This material does not have established exposure limits.
<b>Appropriate engineering controls</b>	General ventilation normally adequate.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Follow standard industrial hygiene practices.
<b>Skin protection</b>	
<b>Hand protection</b>	Not required.
<b>Other</b>	As required by employer code.
<b>Respiratory protection</b>	Not normally required if good ventilation is maintained.
<b>Thermal hazards</b>	Not available.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Towel saturated with colorless liquid
<b>Physical state</b>	Solid.
<b>Form</b>	Liquid saturated on towelettes
<b>Color</b>	Colorless
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available

<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Percent volatile</b>	Not available

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Keep from freezing.
<b>Incompatible materials</b>	Caustics. Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Hydrogen chloride.

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## 11. Toxicological Information

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<b>Routes of exposure</b>	Eye, Skin contact, Skin absorption, Inhalation, Ingestion.
<b>Information on likely routes of exposure</b>	
<b>Ingestion</b>	Not applicable under normal conditions of use.
<b>Inhalation</b>	Health injuries are not known or expected under normal use.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	May be irritating to eyes.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	There are no hazards associated with this product in normal use. Direct contact with eyes may cause temporary irritation.
<b>Information on toxicological effects</b>	
<b>Acute toxicity</b>	Not available.
<b>Skin corrosion/irritation</b>	Health injuries are not known or expected under normal use.
<b>Exposure minutes</b>	Not available.
<b>Erythema value</b>	Not available.
<b>Oedema value</b>	Not available.
<b>Serious eye damage/eye irritation</b>	Health injuries are not known or expected under normal use.
<b>Corneal opacity value</b>	Not available.

<b>Iris lesion value</b>	Not available.
<b>Conjunctival reddening value</b>	Not available.
<b>Conjunctival oedema value</b>	Not available.
<b>Recover days</b>	Not available.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	Not available.
<b>Germ cell mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	Not classified or listed by IARC, NTP, OSHA and ACGIH.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Further information</b>	Not available.
<b>Name of Toxicologically Synergistic Products</b>	Not available.

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## 12. Ecological Information

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<b>Ecotoxicity</b>	Not available.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Mobility in general</b>	Not available.
<b>Other adverse effects</b>	Not available.

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Follow container label directions carefully. Do not reuse towelette. Dispose of used towelette in trash. Do not flush in toilet. Nonrefillable container. Do not reuse or refill this container. Triple rinse and offer for recycling. If recycling is not available, put in trash collection. Dispose in accordance with all applicable regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Dispose in accordance with all applicable regulations. Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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## 14. Transport Information

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<b>U.S. Department of Transportation (DOT)</b>	Not regulated as dangerous goods.
<b>Transportation of Dangerous Goods (TDG - Canada)</b>	Not regulated as dangerous goods.

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## 15. Regulatory Information

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<b>Canadian federal regulations</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
<b>US federal regulations</b>	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**  
 Not regulated.

**Other federal regulations**

**Safe Drinking Water Act (SDWA)** Not regulated.

**Food and Drug Administration (FDA)** Not regulated.

**US state regulations** See below

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**Inventory status**

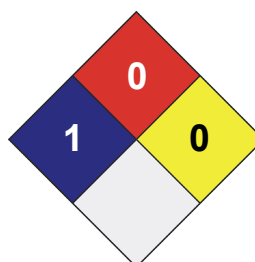
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. The above SDS reflects the latest information on file with respect to hazards, properties and handling of this product. No warranty however, expressed or implied, is made with regard to the use of this information.

**Issue date** 16-December-2014  
**Effective date** 15-December-2014  
**Expiry date** 15-December-2017

**Further information**

**Prepared by**

**Other information**

Not available.

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

For any questions surrounding this SDS, please contact the supplier/manufacturer listed on the first page of the document.



## Safety Cleaning Wipes

### MATERIAL SAFETY DATA SHEET

Effective Date: 8/25/05 Supersedes: 3/01/02

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#### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Safety Cleaning Wipes  
**Product Code:** 8595

**For Information:** 1-800-553-5340  
**For Emergency:** 1-800-535-5053

**Chemical Family:** NA

**Manufacturer:** Bausch & Lomb Incorporated  
**Address:** 1400 N. Goodman Street  
Rochester, New York 14609

#### Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	COMPONENT NAME	% W/V	OCCUPATIONAL EXPOSURE LIMITS / GUIDELINES										UNITS
			OSHA PEL	ACGIH TLV	NIOSH REL	IRELAND	HSE						
			TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	
8001-54-5	Benzalkonium Chloride	< 1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
	Other Non-Hazardous Ingredients	> 98	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
TOTAL		100											

N/E: Not Established  
TWA: 8-Hour Time-Weighted Average  
N/A: Not Applicable  
ACGIH: American Conference of Governmental Industrial Hygienists  
NIOSH: National Institute for Occupational Safety & Health

OSHA: Occupational Safety & Health Administration  
PPM: Parts Per Million  
STEL: Short-Term Exposure Limit  
C: Ceiling Limit  
REL: Recommended Exposure Limit

#### Section 3: HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

**Moist, odorless paper wipe. Avoid eye contact. May cause skin irritation. Ingestion may cause gastric and intestinal irritation. Seek medical attention.**

# Safety Cleaning Wipes

## MATERIAL SAFETY DATA SHEET

Page 2 of 6

### Section 3: HAZARDS IDENTIFICATION (cont.)

#### PRECAUTIONS:

This product is intended to be used as a cleaning agent for a variety of safety equipment and tools, including eyewear, face shields, respirators, etc. If you are sensitive to any of its components, do not use. Use only in accordance with label instructions.

#### POTENTIAL HEALTH EFFECTS

##### EYE:

Avoid contact with the eye. May cause eye irritation.

##### SKIN:

Frequent or prolonged contact with skin or mucous membranes may cause irritation.

##### INGESTION:

May cause gastric and intestinal irritation if ingested.

##### INHALATION:

Not expected to be a significant exposure route. Vapor or mist may be irritating to mucous membranes and upper respiratory tract.

#### CHRONIC HEALTH EFFECTS

None identified.

#### CARCINOGENICITY:

NTP: NA

IARC: NA

OSHA: NA

### Section 4: FIRST AID MEASURES

#### EYES:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

#### SKIN:

Skin irritation is not expected. Should irritation develop, discontinue use. Wash affected skin thoroughly with soap and water. Get medical attention if irritation or other symptoms develop or persist.

#### INGESTION:

If swallowed, seek medical attention immediately.



# Safety Cleaning Wipes

## MATERIAL SAFETY DATA SHEET

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### Section 4: FIRST AID MEASURES (cont.)

#### INHALATION:

Normal use of this product does not pose an inhalation hazard. Should respiratory tract irritation develop, discontinue use and remove to fresh air. Get medical attention if irritation or other symptoms develop or persist.

### Section 5: FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES:

**Flash Point:** Not Flammable

**Method:** NA

#### EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical powder, appropriate foam or water fog.

#### HAZARDOUS COMBUSTION PRODUCTS:

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### SPECIAL FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

### Section 6: ACCIDENTAL RELEASE MEASURES

No special requirements are needed. Dispose of in accordance with Section 13.

### Section 7: HANDLING AND STORAGE

#### HANDLING:

No special handling is required. Use in accordance with product literature.

#### STORAGE:

Store product at room temperature.

### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS:

No special controls required.

#### RESPIRATORY PROTECTION:

No special controls or personal protection required under conditions of intended use.

# Safety Cleaning Wipes

## MATERIAL SAFETY DATA SHEET

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### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

#### SKIN PROTECTION:

No special controls or personal protection required under conditions of intended use.

#### EYE PROTECTION:

Avoid contact with the eye. No special controls or personal protection required under conditions of intended use.

#### ADDITIONAL PROTECTIVE CLOTHING & EQUIPMENT:

NA

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### PHYSICAL PROPERTIES:

**Appearance / Physical State:** Moist paper wipe  
**Odor:** Odorless

#### CHEMICAL PROPERTIES:

<b>Boiling Point:</b>	Not Determined	<b>Melting Point:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Applicable	<b>Vapor Density:</b>	Not Applicable
<b>Solubility In Water:</b>	Soluble	<b>Specific Gravity (H2O = 1):</b>	1 (liquid)
<b>pH:</b>	7 (liquid)	<b>Freezing Point:</b>	Liquid - 0°C (32°F)
<b>Molecular Weight:</b>	Not Applicable, Mixture		

### Section 10: STABILITY AND REACTIVITY

#### GENERAL:

Stable.

#### INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

None identified.

#### HAZARDOUS POLYMERIZATION:

Does not occur

#### HAZARDOUS DECOMPOSITION:

None identified.

# Safety Cleaning Wipes

## MATERIAL SAFETY DATA SHEET

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### Section 11: TOXICOLOGICAL INFORMATION

RTECS No.: BO3150000

#### Benzalkonium Chloride

**Toxicity Data:** ORL-RAT LD50: 240 MG/KG  
ORL-HUMAN TDLO: 266 MG/KG

**Irritation Data:** EYE-HUMAN 50 UG (SEVERE)  
EYE-RABBIT 10 MG (MILD)  
SKN-RABBIT 50 MG/24H (MODERATE)

**NOTE:** Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

### Section 12: ECOLOGICAL INFORMATION

No specific ecological data are available for this product.

### Section 13: DISPOSAL CONSIDERATIONS

All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.

### Section 14: TRANSPORT INFORMATION

	US DOT	IATA	IMO	RID/ADR	Canadian TDG
<b>Shipping Name:</b>	Not Regulated	Not Regulated	No information available	No information available	No information available
<b>Hazard Class:</b>	NA	NA			
<b>UN Number:</b>	NA	NA			
<b>Package Group:</b>	NA	NA			

### Section 15: REGULATORY INFORMATION

#### OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

Safety Cleaning Wipes are considered hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

#### TOXIC SUBSTANCE CONTROL ACT (TSCA):

CAS# 8001-54-5 is not listed on the TSCA Inventory.

# Safety Cleaning Wipes

## MATERIAL SAFETY DATA SHEET

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### Section 15: REGULATORY INFORMATION (cont.)

#### SARA TITLE III (Superfund Amendments and Reauthorization Act):

SECTION 302 (Extremely Hazardous Substances): No Components Listed

SECTION 311, 312 (Hazard Categories): Acute

SECTION 313 (Toxic Chemicals): No Components Listed

#### CALIFORNIA PROPOSITION 65:

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

### Section 16: OTHER INFORMATION

*To the best of our knowledge, the information contained herein is accurate. However, neither Bausch & Lomb Incorporated nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE IS MADE. In no event shall Bausch & Lomb Incorporated or any of its subsidiaries be liable for any special, incidental or consequential damages.*

**Material Safety Data Sheet (MSDS)****Sting Relief Pad**

Dukal Corporation  
2 Fleetwood Court  
Ronkonkoma, NY 11779  
631-656-3800

**SECTION I – PRODUCT IDENTIFICATION****PRODUCT:****Sting Relief Pad**

**Product Trade Name:** Dukal Sting Relief Pads and Towelettes (private label included)  
**Chemical name and Synonyms:** Benzocaine / Isopropyl Alcohol  
**Chemical Formula**  $\text{NH}_2\text{C}_6\text{H}_4\text{COOC}_2\text{H}_5$  /  $\text{CH}_3\text{CHOHCH}_3$   
**Emergency Telephone Number:** 631-656-3800

**SECTION II – HAZARDOUS INGREDIENTS**

Hazardous Components	OSHA PEL	ACGIH TLV	Other	% (optional)
(Specific Chemical Identity Common Name(s))				
Isopropanol (CAS No. 67-63-0)	400ppm	400ppm	N/A	60%
Benzocaine (CAS No. 94-09-7)	Not Established			6%

NFPA      Health = 1      Flammability = 3      Reactivity = 0

**SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

**Physical State:** Individually sealed Sting Relief Packet  
**Boiling Point:** N/A  
**Vapor Pressure (mm Hg):** Unknown  
**Vapor Density:** N/A  
**Specific Gravity:** 0.8405  
**Melting Point:** N/A  
**Evaporation Rate (Butyl Acetate=1):** N/A  
**Solubility in Water:** Pad is not soluble in water  
**Appearance and Odor:** White Non Woven cloth saturated with Solution

**SECTION IV– FIRE AND EXPLOSION HAZARD DATA**

**Flash Point (Method Used):** 68.5°F TOC  
**Flammable Limits:** 750° F  
**LEL:** N/A  
**UEL:** N/A  
**Extinguishing Media:** Alcohol Resistant Foam, CO<sub>2</sub>, or Dry Chemical  
**Special Fire Fighting Procedures:** Handle as a Flammable Liquid  
**Unusual Fire and Explosion Hazards:** Respiratory Protection Required for Firefighting Personnel

**Material Safety Data Sheet (MSDS)****Sting Relief Pad**

Dukal Corporation  
2 Fleetwood Court  
Ronkonkoma, NY 11779  
631-656-3800

**SECTION V– REACTIVITY DATA**

<b>Stability</b>	Stable
<b>Incompatibility (Materials to Avoid):</b>	None Known
<b>Hazardous Decomposition or Byproducts:</b>	None Known
<b>Hazardous Polymerization</b>	Will Not Occur

**SECTION VI– HEALTH AND HAZARD DATA****Route(s) of Entry:**

<b>Inhalation?</b>	None Known
<b>Skin?</b>	Topically Applied
<b>Eyes?</b>	Will sting if splashed in eyes
<b>Ingestion?</b>	None

**Health Hazards (Acute and Chronic):**

<b>Inhalation</b>	None
<b>Skin Contact</b>	If rash or irritation develops, discontinue use.
<b>Eye Contact</b>	Rinse with cool water.
<b>Ingestion</b>	If ingested, seek medical attention.

**Carcinogenicity**

<b>NTP?</b>	NA
<b>LARC Monograph?</b>	NA
<b>OSHA Regulated?</b>	NA

**Signs and Symptoms of Exposure:** Coughing, dizziness and watery eyes

**Medical Conditions Generally Aggravated by Exposure:** Sensitive or inflamed skin may become irritated.

**Emergency and First Aid Procedures:** If large quantities are ingested, administer warm water and contact physician. With eye contact, flush with water. If irritation persists, contact physician.

**SECTION VII– PRECAUTION FOR SAFE HANDLING AND USE**

**Steps to be taken in Case Material is Released or Spilled:** Eliminate all sources of ignition and Absorb with absorbent material.

**Waste Disposal Method:** Follow local, state and federal regulations

**Material Safety Data Sheet (MSDS)****Sting Relief Pad**

Dukal Corporation  
2 Fleetwood Court  
Ronkonkoma, NY 11779  
631-656-3800

**Storage:** None

**Precautions to Be taken in Handling and Storage:** None Known

**Other Precautions:** None Known

**SECTION VIII– CONTROL MEASURES**

**Respiratory Protection (Specific Type):** None Required

**Ventilation**

**Local Exhaust:** None

**Mechanical (General):** None

**Special:** NA

**Other:** NA

**Protective Gloves:** NA

**Eye protection:** Goggles: Use eye bath if eye contact occurs.

**Other Protective Clothing or Equipment:** NA

**Work / Hygiene Practices:** Good hygienic practice.

**SECTION IX– INTERNATIONAL TRANSPORT INFORMATION**

**Proper Shipping Name:** Solids containing Flammable Liquid. n.o.s. (Isopropanol)

**Hazard Class / Package Group** 4.1, II

**Identification Number** UN3175

**IATA** Special Provision A46

**USDOT** Special Provision 47

**IMDG Code** Special Provision 216

According to DOT 49 CFR 172.102 Special Provision 47, IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.



## Material Safety Data Sheet (MSDS)

### Sting Relief Pad

Dukal Corporation  
2 Fleetwood Court  
Ronkonkoma, NY 11779  
631-656-3800

**Issue Date:** 6-28-10  
**Prepared by:** Jim Vilardi

#### *Disclaimer*

*The information provided on this MSDS 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*



## Flexiwipe Isopropyl Alcohol Wipes

### Safety Data Sheet

Version: 2.0  
Prepared: 18/05/2020  
Issued: 18/05/2020

#### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Identifier:**

Product Name: Flexiwipe Isopropyl Alcohol Wipes  
Product Code: AWIP75

**Relevant uses of the product:**

Uses: Hard surface bactericidal wipe

**Details of the supplier:**

Company Name: Mediflex Industries Pty Ltd  
Address: Suite 2, Level 1, 6 The Crescent, Kingsgrove NSW 2208 Australia  
Telephone: +61 2 9150 7405  
Website: <http://www.mediflex.com.au/>  
Email: [customerservice@mediflex.com.au](mailto:customerservice@mediflex.com.au)  
Emergency Contact: 0413 059 100

#### SECTION 2 HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Hazardous Chemical, Dangerous Goods according to the ADG Code.

Poisons Schedule: Not Applicable  
Classification: Flammable Liquid Category 2, Flammable Solid Category 1,  
Eye Irritation Category 2A,  
Specific Target Organ Toxicity – Single Exposure Category 3

Labelling:

**GHS Hazard Statements**

H225 Highly flammable liquid and vapour.  
H228 Flammable solid.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
AUH019 May form explosive peroxides.

**GHS General Precautionary Statements**

P102 Keep out of reach of children.

**GHS Prevention Precautionary Statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.  
P271 Use only outdoors or in a well ventilated area.

**GHS Response Precautionary Statements**

P370+378	In case of fire: Use water jets to extinguish.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P312	Call a POISON CENTRE/doctor/physician if you feel unwell.
P337+313	If eye irritation persists get medical advice/attention.

**GHS Storage Precautionary Statements**

P403+235	Store in a well ventilated place. Keep cool.
P405	Store locked up.

**GHS Disposal Precautionary Statements**

P501	Dispose of contents in accordance with local regulations.
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**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS****Substances**

Name	Percentage
Isopropanol	70%
Irradiated (UV) deionised water	30%

**SECTION 4 FIRST AID MEASURES**

<b>Eye Contact</b>	Wash out immediately with fresh running water, hold eyelids open to ensure complete irrigation of the eye. Seek immediate medical attention.
<b>Skin Contact</b>	No specific treatment required however, it is recommended that highly contaminated skin be washed with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs, seek medical advice.
<b>Inhalation</b>	Remove victim to fresh air – avoid becoming a casualty. If breathing is difficult, administer oxygen. If breathing has stopped, apply artificial respiration and perform CPR if necessary. Seek immediate medical attention.
<b>Ingestion</b>	If swallowed, do <b>NOT</b> induce vomiting. If vomiting occurs, lean victim forward to maintain open airways. Rinse mouth with water then provide water to drink slowly.

**SECTION 5 FIREFIGHTING MEASURES****Suitable Extinguishing Media**

For small fires	Dry chemical, CO2, water spray or foam
For large fires	Water spray, fog or foam

<b>HAZCHEM</b>	1Z
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## SECTION 6 ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal</b>	Eliminate all sources of ignition. Collect damaged and undamaged cannisters and dispose of according to Federal, State and Local regulations.
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## SECTION 7 HANDLING AND STORAGE

<b>Safe Handling</b>	Wear protective clothing for extended use. Use only in a well ventilated area.
<b>Safe Storage</b>	Keep containers tightly closed when not in use and protected against physical damage. Store in a fire proof cabinet or an area free from combustible materials.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Australian Exposure Standards

Standard Name	Synonym	CAS Number	TWA	STEL	Notes
Isopropyl Alcohol	Propan-2-ol	67-63-0	400ppm / 983mg/m <sup>3</sup>	500ppm / 1230mg/m <sup>3</sup>	N/A

### Personal Protection

Gloves	People with sensitive or damaged skin should use rubber gloves.
Eye Protection	Safety glasses with side shields or chemical goggles.
Other Protection	Overalls, eyewash unit, barrier creams.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White cloth soaked in clear colourless liquid.
<b>Physical State</b>	Liquid
<b>Boiling Point</b>	80°C
<b>Flash Point</b>	22°C
<b>Auto Ignition Temp</b>	399°C
<b>Flammability</b>	Highly Flammable
<b>pH</b>	6.5
<b>Solubility in Water</b>	Soluble

## SECTION 10 STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Product is considered stable. May be unstable in the presence of incompatible Materials.
<b>Reactivity</b>	Reacts violently with strong oxidisers
<b>Hazardous Decomposition Products</b>	Carbon Monoxide, Carbon Dioxide
<b>Possibility of Hazardous Reaction</b>	None envisaged

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## SECTION 11 TOXICOLOGICAL INFORMATION

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### Acute Health Effects

Ingestion	Isopropyl alcohol may cause nausea, vomiting and gastro irritation.
Inhalation	May cause headache, nasal and respiratory irritation, dizziness and nausea.
Skin Contact	Not thought to be harmful, though prolonged exposure may cause dry and cracked Skin. May cause health damage when in contact with cuts or abrasions.
Eye Contact	Product may be irritating to eyes in some people.
Chronic	None known. No ingredient is listed as carcinogenic by IARC or the ASCC.

## SECTION 12 ECOLOGICAL INFORMATION

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<b>Environmental Impact</b>	LOW. Isopropyl Alcohol is shown to biodegrade rapidly in aerobic and aqueous biodegradation tests. Do NOT discharge into sewer or waterways.
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## SECTION 13 DISPOSAL CONSIDERATIONS

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Refer to State Land Waste Management Authority

## SECTION 14 TRANSPORT INFORMATION

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### Labels Required HAZCHEM

1Z

### Road/Rail Transport – Australian Dangerous Goods Code (ADG)

UN Number	3175
Proper Shipping Name	Solids containing flammable liquid, N.O.S., (Isopropanol)
Class	4.1
Sub Risk	N/A
Packing Group	II

### Air Transport – International Air Transport Association (IATA)

UN Number	3175
Proper Shipping Name	Solids containing flammable liquid, N.O.S., (Isopropanol)
Class	4.1
Sub Risk	N/A
Packing Group	II
Notes	Not subject to these regulations as per Special Provision A46

### Sea Transport – International Maritime Dangerous Goods Code (IMDG)

UN Number	3175
Proper Shipping Name	Solids containing flammable liquid, N.O.S., (Isopropanol)
Class	4.1
Sub Risk	N/A
Packing Group	II
Notes	Not subject to these regulations as per Special Provision 216

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## SECTION 15 REGULATORY INFORMATION

The chemical component within this product (Isopropanol) is listed on the Australian Inventory of Chemical Substances and is compliant with the Industrial Chemicals (Notification and Assessment) Act 1989.

According to the National Industrial Chemicals Notification and Assessment Scheme (NICNAS), products containing this chemical should be labelled in accordance with state and territory legislation.


## SECTION 16 OTHER INFORMATION

The information in this Safety Data Sheet (SDS) is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, safety and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions or recommendations were not followed

**ARTICLE INFORMATION SHEET/SAFETY DATA SHEET (AIS/SDS)**  
**Silver Oxide Battery**

This Article Information Sheet (AIS) provides relevant battery information to retailers, consumers, OEMs and other users requesting a GHS-compliant SDS. Articles, such as batteries, are exempt from GHS SDS classification criteria. The GHS criteria is not designed or intended to be used to classify the physical, health and environmental hazards of an article. Branded consumer batteries are defined as electro-technical devices. The design, safety, manufacture, and qualification of Energizer and Rayovac branded consumer batteries follow ANSI and IEC battery standards.

**SECTION 1 - Identification**

<b>Product Name:</b> Energizer		<b>Document Number:</b> 1022-SIOX	
<b>Chemical System:</b> Silver Oxide (0Hg)		<b>Date Prepared:</b> January 2023	
<b>Designed for Recharge:</b> No		<b>Valid Until:</b> January 2026	
<b>Prepared by:</b> Energizer			
Energizer Brands, LLC 533 Maryville University Drive St. Louis, MO 63141	Email for Information: <a href="mailto:customersupport@energizer.com">customersupport@energizer.com</a>  1-800-383-7323	Description	Silver Oxide Battery (0Hg)
		Use	Portable power source
		Brand	ENERGIZER/EVERREADY
		IEC Designation	Included but not limited to: SR42, SR44, SR58, SR60, SR68, SR69, SR66, SR43, SR54, SR55, SR41, SR48, SR57, SR59
		Sizes	Included but not limited to: 315Z, 317Z, 319Z, 321Z, 329Z, 335Z, 337Z, 341Z, 344/350Z, 346Z, 357/303HZ, 357/303Z, 362/361Z, 364/363Z, 365Z, 371/370Z, 373Z, 377/376Z, 379Z, 386Z, 387SZ, 390/389Z, 391Z, 392/384Z, 393Z, 394/380Z, 395/399Z, 397/396Z, EPX76Z, A76ZINS
		Image	

**SECTION 2 – Hazards Identification**

Not applicable to Batteries which are classified as Articles

Articles, such as batteries, are exempt from GHS SDS classification criteria. The GHS criteria are not designed or intended to be used to classify the physical, health and environmental hazards of an article.

**Inhalation:** Contents of an open battery can cause respiratory irritation.

**Skin Contact:** Contents of an open battery can cause skin irritation.

**Eye Contact:** Contents of an open battery can cause severe irritation.

**SECTION 3 – Composition / Information**

The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

**All Energizer Alkaline Manganese Dioxide-Zinc have zero added mercury.**

MATERIAL OR INGREDIENT	CAS #	%/wt.
Graphite	7782-42-5	0-3
Manganese Dioxide	1313-13-9	0 - 20
Potassium Hydroxide	1310-58-3	0 - 7
Silver Oxide	20667-12-3	10 - 35
Sodium Hydroxide	1310-73-2	0-7
Zinc	7440-66-6	6 - 14
Non-Hazardous Components Steel	65997-19-5	30 - 35
Water, Paper, Plastic and Other		Balance

**SECTION 4 – First Aid Measures**

**Ingestion:** Do not induce vomiting or give food or drink. Seek medical attention immediately. CALL NATIONAL BATTERY INGESTION HOTLINE for advice and follow-up (800-498-8666) day or night.

**Skin and Eyes:** In the event that a battery ruptures, flush exposed skin with flowing lukewarm water for a minimum of 15 minutes. Get immediate medical attention for eyes. Wash skin with soap and water.

**SECTION 5 – Fire Hazard & Firefighting**

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.  
Fire fighters should wear self-contained breathing apparatus.

**SECTION 6 – Accidental Release Measures**

Not applicable to Batteries which are classified as Articles

**TO CONTAIN AND CLEAN UP LEAKS OR SPILLS:** In the event of a battery rupture, prevent skin contact and collect all released material in a plastic lined metal container.

**REPORTING PROCEDURE:** Report all spills in accordance with Federal, State and Local reporting requirement.

## SECTION 7 - HANDLING AND STORAGE

**Storage:** Store in a cool, well ventilated area. Elevated temperatures can result in shortened battery life.

**Mechanical Containment:** Designers of any water or air-tight device should be aware of the normal evolution of hydrogen gas from alkaline batteries. This gas must be either absorbed or allowed to escape to avoid a potential safety issue.

**Handling:** Accidental short circuit for a few seconds will not seriously affect the battery. Prolonged short circuit will cause the battery to lose energy through heating, and can cause the safety release vent to open. Sources of short circuits include jumbled batteries in bulk containers, metal jewelry, metal covered tables or metal belts used for assembly of batteries into devices.

Soldering directly to a battery is not recommended. If welding to the battery is required, consult your Energizer sales representative for proper precautions to prevent seal damage or short circuit.

**Charging:** This battery is manufactured in a charged state. It is not designed for recharging. Recharging can cause battery leakage or, in some cases, high pressure rupture. Inadvertent charging can occur if a battery is installed backwards.

**Labeling:** The label acts as an electrical insulation for the battery can. Damage to the label can increase the potential for a short circuit.

**WARNING:** Do not install backwards, charge, put in fire, or mix with other battery types as it may explode or leak causing injury.

**Replace all batteries at the same time.**

## SECTION 8 – Exposure Controls

Not applicable to Batteries which are classified as Articles

In case of rupture or leakage use hand protection. Avoid contact with skin and eyes

## SECTION 9 – TRANSPORT INFORMATION

Not applicable to Batteries which are classified as Articles

## SECTION 10 – STABILITY AND REACTIVITY

**STABLE OR UNSTABLE:** Stable

**INCOMPATIBILITY (MATERIALS TO AVOID):** Not Applicable to articles.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Applicable to articles.

**DECOMPOSITION TEMPERATURE (0°F):** Not Applicable to articles.

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** Avoid electrical shorting, puncturing or deform



# Article Information Sheet/Safety Data Sheet

Silver Oxide Batteries

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## SECTION 11 – TOXICOLOGICAL INFORMATION

MATERIAL OR INGREDIENT	PEL (OSHA)	TLV (ACGIH)	%/wt.
Graphite (CAS# 7782-42-5)	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	2 mg/m <sup>3</sup> TWA (respirable fraction)	0-3
Manganese Dioxide (CAS# 1313-13-9)	5 mg/m <sup>3</sup> Ceiling (as Mn)	0.2 mg/m <sup>3</sup> TWA (as Mn)	0 - 20
Potassium Hydroxide (CAS# 1310-58-3)	None established	2 mg/m <sup>3</sup> Ceiling	0 - 7
Silver Oxide (CAS# 20667-12-3)	0.01 mg/m <sup>3</sup> TWA (as Ag)	0.1 mg/m <sup>3</sup> TWA (as Ag)	10 - 35
Sodium Hydroxide (CAS# 1310-73-2)	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> Ceiling	0-7
Zinc (CAS# 7440-66-6)	15 mg/m <sup>3</sup> TWA PNOR* (total dust) 5 mg/m <sup>3</sup> TWA PNOR* (respirable fraction)	10 mg/m <sup>3</sup> TWA PNOC** (inhalable particulate) 3 mg/m <sup>3</sup> TWA PNOC** (respirable particulate)	6 - 14
Non-Hazardous Components Steel (iron CAS# 65997-19-5) Water, Paper, Plastic and Other	None established None established	None established None established	30 - 35 Balance
Graphite (CAS# 7782-42-5)	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	2 mg/m <sup>3</sup> TWA (respirable fraction)	0-3
Manganese Dioxide (CAS# 1313-13-9)	5 mg/m <sup>3</sup> Ceiling (as Mn)	0.2 mg/m <sup>3</sup> TWA (as Mn)	0 - 20
Potassium Hydroxide (CAS# 1310-58-3)	None established	2 mg/m <sup>3</sup> Ceiling	0 - 7

## SECTION 12 – Ecological Information

Dispose of properly when discharged. Use a recycling outlet if available. Those collecting batteries should follow state and federal regulations.

Partially discharged damaged batteries can overheat and cause fires in the presence of other combustible materials.

## SECTION 13 – Disposal Considerations

Dispose of in accordance with all applicable federal, state and local regulations. Appropriate disposal technologies include incineration and land filling.

## SECTION 14 – TRANSPORT INFORMATION

In general, all batteries in all forms of transportation (ground, air, or ocean) must be packaged in a safe and responsible manner. Regulatory concerns from all agencies for safe packaging require that batteries be packaged in a manner that prevents short circuits and be contained in "strong outer packaging" that prevents spillage of contents. All original packaging for Energizer alkaline batteries has been designed to be compliant with these regulatory concerns.

Silver oxide batteries (sometimes referred to as "Dry cell" batteries) are not listed as dangerous goods under the ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road, the IMDG International Maritime Dangerous Goods Code, UN Dangerous Good Regulations, IATA Dangerous Goods Regulations, ICAO Technical Instructions and the U.S. hazardous materials regulations (49 CFR). These batteries are not subject to the dangerous goods regulations provided they meet the requirements contained in the following special provisions.

# Article Information Sheet/Safety Data Sheet

## Silver Oxide Batteries

Regulatory Body	Special Provisions
ADR	Not Regulated
IMDG	Not Regulated
UN	Not Regulated
US DOT	49 CFR 172.102 Provision 130
IATA	A123
ICAO	Not Regulated

All Energizer silver oxide batteries are packed in such a way to prevent short circuits or the generation dangerous quantities of heat and meet the special provisions listed above. In addition, the IATA Dangerous Goods Regulations and ICAO Technical Instructions require the words "not restricted" and the Special Provision number A123 be provided on the air waybill, when an air waybill is issued.

For emergency information call ChemTel 1-800-526-4727 (North America) or 1-314-985-1511 (International).

## SECTION 15 – REGULATORY INFORMATION

### Applicable Battery Industry Standards

<b>North America Standards</b>	ANSI C18.1M Part 1	ANSI C18.1M Part 2	ANSI C18.4
<b>International Standards</b>	IEC 60086-1	IEC 60086-2	IEC 60086-5

### 15.1 Battery

- SARA/TITLE III:** As an article, this battery and its contents are not subject to the requirements of the Emergency Planning and Community Right-To-Know Act.
- USA EPA Mercury Containing & Rechargeable Battery Management Act of 1996:** No mercury added
- EU Battery Directive 2006/66/EC Amended 2013/56/EU:** Energizer batteries are compliant with all aspects of the Directive

### 15.2 General

- CPSIA 2008:** Exempt
- US CPSC FHSA (16 CFR 1500):** Not applicable since batteries are defined as articles
- USA EPA TSCA (40 CFR 707.20):** Not applicable since batteries are defined as articles
- USA EPA RCRA (40 CFR 261):** Classified as non-hazardous waste per ignitable, corrosive, reactive or toxicity testing
- California Prop 65:** No warning required
- DTSC Perchlorate labeling:** No warning required
- EU REACH SVHC:** No REACH listed substances of very high concern are present above 0.1% w/w.

### 15.3 Article Definitions

# Article Information Sheet/Safety Data Sheet

Silver Oxide Batteries

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## 1. OSHA Hazard Communication Standard, Section 1910.1200(c)

### SECTION 16 - OTHER INFORMATION

Energizer has prepared copyrighted Article Information Sheets to provide information on the different Eveready/Energizer/Rayovac battery systems. Batteries are articles as defined under the GHS and exempt from GHS classification criteria (Section 1.3.2.1.1 of the GHS). The information and recommendations set forth herein are made in good faith, for information only, and are believed to be accurate as of the date of preparation. However, ENERGIZER BRANDS, LLC MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM REFERENCE ON IT.

#### **16.1 ACRONYM GLOSSARY**

1. [ANSI](#): American National Standards Institute
2. [CPSC](#): Consumer Product Safety Commission
3. [CPSIA](#): Consumer Product Safety Improvement Act
4. [DTSC](#): Department of Toxic Substances Control
5. [EPA](#): Environmental Protection Agency
6. [FHSA](#): Federal Hazardous Substances Act
7. [GHS](#): Globally Harmonized System for Hazard Communication
8. [IEC](#): International Electrotechnical Commission
9. [OSHA](#): Occupational Safety and Health Administration
10. [RCRA](#): Resource Conservation and Recovery Act
11. [SDS](#): Safety Data Sheet
12. [SVHC](#): Substances of Very high Concern
13. [TSCA](#): Toxic Substances Control Act



## **SAFETY DATA SHEET**

*Effective Date: JULY 2019*

**ITEM:** 12-Pack of Safety Lightsticks

**PART #** 512

**UPC** 077403421589

### **CONTENTS**

4 Red, 4 White, and 4 Green Lightsticks

### **SHIPPING INFORMATION**

Not Regulated

# GLOW STICK

## Safety Data Sheet

According to OSHA Hazard Communication Standard 29 CFR 1910.1200



### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : GLOW STICK  
Product description : GLOW STICK, GLOW BRACELET, GLOW NECKLACE, GLOW CUP, GLOW WAND WITH ASST COLORS RED/GREEN/BLUE/YELLOW/PINK/ORANGE/PURPLE/WHITE/AQUA

#### 1.2. Recommended use and restrictions on use

Main use category : Used in decoration.  
Restrictions on use : No information available

#### 1.3. Supplier

Supplier : Xiamen Long Afterglow Co.,Ltd.  
Address : No.1043,Tong Ji Zhong Road,Tong An Area,Xiamen,Fujian Province,China  
Phone : +86-592-3675699  
FAX : +86-592-3675698  
E-mail : [elaine@glo-novelty.com](mailto:elaine@glo-novelty.com)  
Web : [www.glo-novelty.com](http://www.glo-novelty.com)

#### 1.4. Emergency telephone number

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

No labelling applicable  
Hazard pictograms (GHS-US) : None  
Signal word (GHS-US) : None  
Hazard statements (GHS-US) : Not applicable  
Precautionary statements (GHS-US) : Not applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch

Technical Report No.: 64.165.18.00501.01

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Engineer: Kevin Zhang

2018-02-02

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# GLOW STICK

## Safety Data Sheet

According to OSHA Hazard Communication Standard 29 CFR 1910.1200



### 3.2. Mixtures

Name	Product identifier	%
Dimethyl phthalate	(CAS-No.) 131-11-3	58.5
Butyl benzoate	(CAS-No.) 136-60-7	28.5
Water	(CAS-No.) 7732-18-5	6
Bis[2,3,5-trichloro-6-[(pentyloxy)carbonyl]phenyl] oxalate	(CAS-No.) 75203-51-9	4.7
Hydrogen peroxide	(CAS-No.) 7722-84-1	2.2
Anthracene, 9,10-bis(phenylethynyl)-	(CAS-No.) 10075-85-1	0.1

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show directions for use or safety data sheet if possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing; Give oxygen or artificial respiration if necessary; If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash skin with plenty of water and take off contaminated clothing; If skin irritation or rash occurs: Get medical advice/attention; Wash contaminated clothing before reuse
First-aid measures after eye contact	: Rinse cautiously with water for several minutes while holding the eyelids wide open; Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
First-aid measures after ingestion	: If swallowed, rinse mouth; Do not induce vomiting; Give nothing or a little water to drink; Never give anything by mouth to an unconscious person; If you feel unwell, seek medical advice;

### 4.2. Most important symptoms and effects (acute and delayed)

No information available.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use carbon dioxide, dry extinguishing media, water spray, water.
Unsuitable extinguishing media	: None

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire	: Combustion produces toxic or irritating gases and fumes.
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### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Evacuate personnel to a safe area. Move containers from fire area if it can be done without personal risk. Cool tanks/drums with water spray/remove them into safety. Stay upwind. Avoid breathing vapour or dusts. Provide storage and work areas with suitable fire extinguishers. Collect contaminated firefighting water separately, it must not enter drains.

# GLOW STICK

## Safety Data Sheet

According to OSHA Hazard Communication Standard 29 CFR 1910.1200



### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes and inhalation of vapors

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Stop leak if safe to do so. Evacuate personnel to a safe area; Ensure adequate ventilation, especially in confined areas; No flames, no sparks. Eliminate all sources of ignition.

#### 6.2. Environmental precautions

Although the product is not classified as dangerous to the environment, it is advised that in the event of an accidental release the product should be prevented from reaching the sewage system or any water course, and from penetrating the ground/soil. Dispose of spilled material in accordance with the relevant local regulations. See Section 13 for disposal considerations.

#### 6.3. Methods and material for containment and cleaning up

For containment : Isolate the spillage. Ensure adequate ventilation. Collect mechanically. Fill into labeled, suitable sealed containers for disposal in accordance with local authority regulations

Methods for cleaning up : For large amounts: Transfer product into suitable containers.  
For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practice  
Ensure adequate ventilation, especially in confined areas  
Observe personal protective measures listed in section 8.  
Do not handle until all safety precautions have been read and understood  
Avoid contact with skin, eyes or clothing  
Wash contaminated clothing before reuse  
Keep away from heat, sparks, flame and other sources of ignition  
Avoid breathing vapors or mists  
Any deposit of dust which cannot be avoided must be removed regularly.

Hygiene measures : Do not eat, drink or smoke when using this product.  
Always wash hands after handling the product.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Avoid formation of dust, inhalation and ingestion.  
Avoid contact with eyes, skin and clothing.

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

Storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep locked up and out of reach of children  
Keep away from food, drink and animal feeding stuffs  
Always keep in containers of the same material as the original one  
Store away from incompatible substances (reducing agents, nitrite salts and potassium chlorate).

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Dimethyl phthalate (131-11-3)		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
IDLH	US IDLH (mg/m³)	2000 mg/m³
NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³
Butyl benzoate (136-60-7)		
Not applicable		
Bis[2,3,5-trichloro-6-[(pentyloxy)carbonyl]phenyl] oxalate (75203-51-9)		
Not applicable		
Hydrogen peroxide (7722-84-1)		
ACGIH	ACGIH TWA (ppm)	1 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	1.4 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1 ppm
IDLH	US IDLH (ppm)	75 ppm
NIOSH	NIOSH REL (TWA) (mg/m³)	1.4 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	1 ppm
Water (7732-18-5)		
Not applicable		
Anthracene, 9,10-bis(phenylethynyl)- (10075-85-1)		
Not applicable		

#### 8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Remove all sources of ignition.
Environmental exposure controls	: Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Wear appropriate chemical resistant gloves.

##### Eye protection:

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

##### Skin and body protection:

Wear appropriate chemical resistant clothing.

##### Respiratory protection:



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The following respirators and maximum use concentrations are drawn from NIOSH and/or OSHA.

50 mg/m<sup>3</sup>

Any air-purifying full-facepiece respirator equipped with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100 or P100.

125 mg/m<sup>3</sup>

Any supplied-air respirator operated in a continuous-flow mode.

Any powered, air-purifying respirator with a high-efficiency particulate filter.

250 mg/m<sup>3</sup>

Any air-purifying, full-facepiece respirator equipped with an N100, R100, or P100 filter.

Any self-contained breathing apparatus with a full facepiece.

Any supplied-air respirator with a full facepiece.

2000 mg/m<sup>3</sup>

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode.

Emergency or planned entry into unknown concentrations or IDLH conditions

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

Escape

Any air-purifying, full-facepiece respirator equipped with an N100, R100, or P100 filter.

Any appropriate escape-type, self-contained breathing apparatus.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Boiling point	: No data available
Flash point	: >200°F (93.3°C) Closed Cup
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: The product is not classified as flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: Not explosive based on experience and structural considerations
Oxidising properties	: Not oxidizing based on experience and structural considerations

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Will not polymerize.

#### 10.4. Conditions to avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

#### 10.5. Incompatible materials

Acids, bases, oxidizing materials.

#### 10.6. Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and other toxic vapors.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

##### Dimethyl phthalate (131-11-3)

LD50 oral rat	6800 mg/kg
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##### Butyl benzoate (136-60-7)

LD50 oral rat	735 mg/kg
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##### Hydrogen peroxide (7722-84-1)

LD50 oral rat	801 mg/kg
LD50 dermal rat	4060 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	2 g/m <sup>3</sup> (Exposure time: 4 h)

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

##### Dimethyl phthalate (131-11-3)

LC50 fish	49.5 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
LC50 fish	39 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 fish	37 - 69 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish	121 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

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### Dimethyl phthalate (131-11-3)

LC50 fish	100 - 220 mg/l (Exposure time: 96 h - Species: Leuciscus idus [static])
LC50 fish	56 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia	33 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Algae	20.6 - 45.8 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
EC50 Algae	28.4 - 71 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
EC50 Algae	142 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
EC50 Algae	26.1 mg/l (Exposure time: 96 h - Species: Skeletonema costatum)
EC50 Algae	204 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

### Hydrogen peroxide (7722-84-1)

LC50 fish	16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 fish	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish	10 - 32 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 Daphnia	7.7 mg/l (Exposure time: 24 h - Species: Daphnia magna [Static])
EC50 Algae	2.5 mg/l (Exposure time: 72 h)

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

#### Dimethyl phthalate (131-11-3)

BCF fish 1	4.7 - 57
Log Pow	2.12

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

GWPmix comment : No known effects from this product.

#### Dimethyl phthalate (131-11-3)

1990 Hazardous Air Pollutant (Clean Air Act)	Yes
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## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### Transportation of Dangerous Goods

Not applicable

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### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Dimethyl phthalate (131-11-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory  
Subject to reporting requirements of United States SARA Section 313

CERCLA RQ	5000 lb
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#### Butyl benzoate (136-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Hydrogen peroxide (7722-84-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Section 302 EPCRA Reportable Quantity (RQ)	1000 lb concentration >52%
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SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb (concentration >52%)
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#### Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Anthracene, 9,10-bis(phenylethynyl)- (10075-85-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### Dimethyl phthalate (131-11-3)

Listed on the Canadian DSL (Domestic Substances List)

#### Butyl benzoate (136-60-7)

Listed on the Canadian DSL (Domestic Substances List)

#### Hydrogen peroxide (7722-84-1)

Listed on the Canadian DSL (Domestic Substances List)

#### Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Anthracene, 9,10-bis(phenylethynyl)- (10075-85-1)

Listed on the Canadian NDSL (Non-Domestic Substances List)

### EU-Regulations

#### Dimethyl phthalate (131-11-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Butyl benzoate (136-60-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Bis[2,3,5-trichloro-6-[(pentyloxy)carbonyl]phenyl] oxalate (75203-51-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Hydrogen peroxide (7722-84-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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### Water (7732-18-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Anthracene, 9,10-bis(phenylethynyl)- (10075-85-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### Dimethyl phthalate (131-11-3)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on Turkish inventory of chemical  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### Butyl benzoate (136-60-7)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on Turkish inventory of chemical  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### Bis[2,3,5-trichloro-6-[(pentyloxy)carbonyl]phenyl] oxalate (75203-51-9)

Listed on the Korean ECL (Existing Chemicals List)

#### Hydrogen peroxide (7722-84-1)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Japanese Poisonous and Deleterious Substances Control Law  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on Turkish inventory of chemical  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

### Water (7732-18-5)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

### Anthracene, 9,10-bis(phenylethynyl)- (10075-85-1)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

### 15.3. US State regulations

No additional information available

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### SECTION 16: Other information

Issue date : 02-Feb-2018  
Revision date : 02-Feb-2018

Full text of H-phrases  
None

Key or legend to abbreviations and acronyms used in the safety data sheet

ADR : European Agreement Concerning the International Carriage of Dangerous Goods by Road  
IMDG : International Maritime Dangerous Goods  
IATA : International Air Transport Association  
ADN : European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterway  
RID : Regulations Concerning the International Carriage of Dangerous Goods by Rail  
PBT : Persistent, Bioaccumulative and Toxic  
vPvB : Very Persistent and Very Bioaccumulative  
DNEL : Derived No Effect Level  
PNEC : Predicted No Effect Concentration  
LC50 : Lethal Concentration 50  
LD50 : Lethal Dose 50  
EC50 : Effective Concentration 50  
TWA : Time Weighted Average  
STEL : Short Term Exposure Limit

Key literature references and sources for data

ECHA: <http://echa.europa.eu/>

IFA GESTIS: [http://gestis-en.itrust.de/nxt/gateway.dll?f=templates\\$fn=default.htm\\$vid=gestiseng:sdbeng](http://gestis-en.itrust.de/nxt/gateway.dll?f=templates$fn=default.htm$vid=gestiseng:sdbeng)

HSDB: <http://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

ICSC: <http://www.ilo.org/dyn/icsc/showcard.home>

eChemPortal: [http://www.echemportal.org/echemportal/index?pageID=0&request\\_locale=en](http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en)

NITE-CHRIP: [http://www.nite.go.jp/en/chem/chrip/chrip\\_search/srhInput](http://www.nite.go.jp/en/chem/chrip/chrip_search/srhInput)

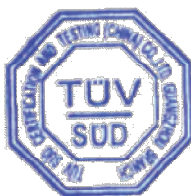
SDS US (GHS HazCom 2012)

*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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Technical Report checked: \_\_\_\_\_  
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