

# SAFETY DATA SHEET – DroGo® “A”

## 1. Identification

**1.1 Product Identifier:** DroGo “A”

**1.2 Recommended Use of the Chemical and Restrictions on Use:** Restores optical brightness to textiles. For industrial/institutional use only. Do not use at home. Keep out of reach of children.

**1.3 Details of the Supplier of the Safety Data Sheet:**

A. L. Wilson Chemical Co., PO Box 207, Kearny, NJ 07032, USA

Telephone: 201-997-3300

E-mail: SDS@ALWilson.com

**1.4 Emergency Telephone Number:**

Chemtrec: 800-424-9300 or 703-527-3887

## 2. Hazards Identification

**2.1 Classification of the Substance or Mixture:**

Eye Damage/Irritation – Category 2A

Skin Irritation – Category 2

**2.2 Label Elements:**

**Contains:** Biodegradable Surfactants, Water [7732-18-5], Proprietary Stilbene Fluorescent Brighteners.

**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Statements:**

H315: Causes skin irritation.

H319: Causes serious eye irritation.

**Precautionary Statements:**

**Prevention:**

P102: Keep out of reach of children.

P264: Wash hands 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:**

P308+P313: If exposed or concerned: Get medical advice/attention.

P301+P330+P331+P321: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

P303+P361+P353+P363: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

**Storage:**

P234: Keep only in original container.

**Disposal Considerations:**

P501: Dispose of contents/container to waste collection point and in accordance to applicable regulations.

**2.3 Other Hazards:**

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. See section 8 for exposure limits.

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## 3. Composition/Information on Ingredients

Name	CAS No.	Concentration
Water	7732-18-5	40% ≤ C ≤ 50%
Biodegradable (Proprietary) Surfactants	NA	35% ≤ C ≤ 45%
Proprietary Stilbene Fluorescent Brighteners	NA	1% ≤ C ≤ 5%

## 4. First Aid Measures

### 4.1 Description of Necessary First Aid Measures:

**General Information:** If exposed or concerned: Get medical advice/attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact:** Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

### 4.2 Most Important Symptoms/Effects, both Acute and Delayed:

**Eye Contact:** Causes serious eye irritation.

**4.3 Indication of Immediate Medical Attention and Special Treatment Needed:** See section 4.1.

## 5. Fire-fighting Measures

**5.1 Suitable Extinguishing Media:** Water, Carbon Dioxide “CO<sub>2</sub>” or Dry Chemical.

**5.2 Specific Hazards Arising from the Substance or Mixture:** Not Determined.

**5.3 Special Protective Action for Fire-fighters:** Use appropriate Personal Protective Equipment when fighting chemical fires. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

**Additional Information:** Use water spray to cool nearby containers exposed to fire.

## 6. Accidental Release Measures

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Cordon off spill area. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**6.2 Environmental Precautions:** Avoid release to the environment. Dispose of contents/container to waste collection point and in accordance to applicable regulations.

**6.3 Methods and Materials for Containment and Cleaning Up:** Use a universal absorbent material to collect waste and dispose to collection point and in accordance to applicable regulations.

## 7. Handling and Storage

**7.1 Precautions for Safe Handling:** Keep out of reach of children. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

### 7.2 Conditions for Safe Storage, Including any Incompatibles:

**Storage Class:** General.

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**Packaging Material:** Plastic.

**Unsuitable Packaging Material:** Not determined.

## 8. Exposure Controls / Personal Protection

### 8.1 Control Parameters:

Exposure Limits Values

Name	Air Concentration USA ACGIH TLV (ppm)	Air Concentration USA OSHA TWA (mg/m <sup>3</sup> )
No Information Available.	-	-

### 8.2 Exposure Controls:

**Engineering Measures:** Work in a well ventilated area or under a ventilation hood.

### 8.3 Individual Protection Measures, such as Personal Protective Equipment:

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

**Eye Protection:** Wear closed safety glasses or chemical splash goggles.

**Skin Protection:** Wear protective clothing.

**Respiratory Protection:** None needed when used with adequate ventilation.

**Hand Protection:** Wear protective gloves. Gloves must be inspected prior to use. Replace if worn or damaged. Do not reuse.

**Hygiene Measures:** Wash thoroughly after handling. Do not smoke, eat or drink in work area.

## 9. Physical and Chemical Properties

**Appearance:** Amber Liquid.

**Odor:** Surfactant Odor.

**Odor Threshold:** Not Determined.

**pH:** ~ 8.40

**Melting Point/Freezing Point (°C):** Not Applicable.

**Initial Boiling Point/Boiling Point Range (°C):** Not Applicable.

**Flash Point (°C):** Not Applicable.

**Evaporation Rate:** Not Applicable.

**Flammability (solid, gas):** Not Applicable.

**Upper/Lower Flammability or Explosive Limits:** Not Applicable.

**Vapor Pressure:** Not Determined.

**Vapor Density:** Not Determined.

**Relative Density (Water =1):** 1.0 g/cm<sup>3</sup> at 20°C.

**Solubility:** Highly Soluble in Water.

**Partition Coefficient: n-Octanol/Water:** Not Applicable.

**Auto-ignition Temperature:** Not Applicable.

**Viscosity:** Not Applicable.

**Explosive Properties:** Not Applicable.

**Oxidizing Properties:** Not Applicable.

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## 10. Stability and Reactivity

**10.1 Reactivity:** See sub sections below.

**10.2 Chemical Stability:** Stable if used according to specifications.

**10.3 Possibility of Hazardous Reactions:** Not determined.

**10.4 Conditions to Avoid:** Avoid oxidizing and reducing agents.

**10.5 Incompatible Materials:** Not determined.

**10.6 Hazardous Decomposition Products:** In case of fire: Carbon Dioxide, Carbon Monoxide, Oxides of Sulfur, Nitrogen Oxides.

## 11. Toxicological Information

**Acute Toxicity:** Data not available for mixture.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Eye Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** No information available.

**Germ Cell Mutagenicity:** No information available.

**Carcinogenicity:** Not listed by NTP, IARC, OSHA, or ACGIH as a carcinogen.

**Reproductive Toxicity:** No information available.

**Specific Target Organ Toxicity – Single Exposure:** No information available.

**Specific Target Organ Toxicity – Repeated Exposure:** No information available.

**Aspiration Hazard:** No information available.

**Inhalation:** No information available.

**Subchronic/Chronic Toxicity:** No information available.

## 12. Ecological Information

**12.1 Ecotoxicity:**

**Aquatic Toxicity:** Not determined.

**12.2 Persistence and Degradability:** Biodegradable.

**12.3 Bioaccumulative Potential:** Not expected to bio-accumulate.

**12.4 Mobility in Soil:** No information available.

**12.5 Results of PBT and vPvB Assessment:** This product does not contain PBT or vPvB substances.

**12.6 Other Adverse Effects:** No data available.

## 13. Disposal Considerations

**13.1 Disposal Methods:**

**Product (Any Residual Waste/Unused Product):** Dispose of any residual product waste or unused product to waste collection point and in accordance to applicable regulations. Avoid release to the environment.

**Packaging (Plastic):** After use, close empty bottle, and dispose of to waste collection point and in accordance to applicable regulations.

## 14. Transport Information

# SAFETY DATA SHEET – DroGo® “A”

**14.1 UN-Number:** Not Regulated.

**14.2 UN Proper Shipping Name:** Not Regulated.

**14.3 Transport hazard class(es):** Not Regulated.

**14.4 Packing group:** Not Regulated.

**14.5 Environmental Hazard(s):** Not Regulated.

**14.6 Special Precaution to User:** See section 7.

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not Applicable.

## 15. Regulatory Information

### 15.1 Safety Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### U.S. Regulations:

Inventory Status: All components are on TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) Hazard Categories:

SARA 313: This product does not contain any SARA 313 Toxic Release Chemicals.

## 16. Further Information

#### Abbreviations and Acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists.

C = Concentration (weight percent).

DOT = Department of Transportation (United States).

IMDG = International Maritime Dangerous Goods Code.

IARC = International Agency for Research on Cancer.

OSHA = Occupational Safety & Health Administration.

PBT = Persistent, Bioaccumulative and Toxic Substances.

ppm = parts per million.

OELV = Occupational Exposure Limits Values.

TLV = Threshold Limit Values.

TSCA = Toxic Substance Control Act.

TWA = Time-Weighted Average.

vPvB = very Persistent and very Bioaccumulative Substances.

*The information contained herein is accurate to the best of our knowledge. A. L. Wilson Chemical Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.*

# SAFETY DATA SHEET – DroGo® “B”

## 1. Identification

**1.1 Product Identifier:** DroGo “B”

**1.2 Recommended Use of the Chemical and Restrictions on Use:** Brightness-whiteness restorer and anti-chlor for use on textiles. For industrial/institutional use only. Do not use at home. Keep out of reach of children.

**1.3 Details of the Supplier of the Safety Data Sheet:**

A. L. Wilson Chemical Co., PO Box 207, Kearny, NJ 07032, USA

Telephone: 201-997-3300

E-mail: SDS@ALWilson.com

**1.4 Emergency Telephone Number:**

Chemtrec: 800-424-9300 or 703-527-3887

## 2. Hazards Identification

**2.1 Classification of the Substance or Mixture:**

Skin Irritation - Category 2

Eye Irritation - Category 2A

Specific Target Organ Toxicity - Single Exposure - Category 3 - Respiratory system

**2.2 Label Elements:**

**Contains:** Sodium Hydrosulfite [7775-14-6], Sodium Tripolyphosphate [7758-29-4], Tetrasodium Pyrophosphate [7722-88-5], Sodium Metabisulfite [7681-57-4].

**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Statements:**

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

**Precautionary Statements:**

**Prevention:**

P102: Keep out of reach of children.

P264: Wash hands 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:**

P308+P313: If exposed or concerned: Get medical advice/attention.

P301+P330+P331+P321: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

P303+P361+P353+P363: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

**Storage:**

P220: Store away from oxidizers/acids/combustible materials.

P232: Protect from moisture.

P233: Keep container tightly closed.

P234: Keep only in original container.

P235: Keep cool.

# SAFETY DATA SHEET – DroGo® “B”

## Disposal Considerations:

P501: Dispose of contents/container to waste collection point and in accordance to applicable regulations.

## 2.3 Other Hazards:

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. See section 8 for exposure limits.

## 3. Composition/Information on Ingredients

Name	CAS No.	Concentration
Sodium Hydrosulfite	7775-14-6	25% ≤ C ≤ 35%
Sodium Tripolyphosphate	7758-29-4	25% ≤ C ≤ 35%
Tetrasodium Pyrophosphate	7722-88-5	25% ≤ C ≤ 35%
Sodium Metabisulfite	7681-57-4	1% ≤ C ≤ 5%

## 4. First Aid Measures

### 4.1 Description of Necessary First Aid Measures:

**General Information:** If exposed or concerned: Get medical advice/attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact:** Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

### 4.2 Most Important Symptoms/Effects, both Acute and Delayed:

**Eye Contact:** Causes serious eye irritation.

**4.3 Indication of Immediate Medical Attention and Special Treatment Needed:** See section 4.1.

## 5. Fire-fighting Measures

**5.1 Suitable Extinguishing Media:** Flood with water for fires in area.

**5.2 Specific Hazards Arising from the Substance or Mixture:** Oxides of sulfur and phosphorus.

**5.3 Special Protective Action for Fire-fighters:** Use appropriate Personal Protective Equipment when fighting chemical fires. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

**Additional Information:** Use water spray to cool nearby containers exposed to fire.

## 6. Accidental Release Measures

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Cordon off spill area. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**6.2 Environmental Precautions:** Avoid release to the environment. Dispose of contents/container to waste collection point and in accordance to applicable regulations.

**6.3 Methods and Materials for Containment and Cleaning Up:** Recover as a dry material. Dispose to collection point and in accordance to applicable regulations.

## 7. Handling and Storage

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**7.1 Precautions for Safe Handling:** Keep out of reach of children. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

**7.2 Conditions for Safe Storage, Including any Incompatibles:**

**Storage Class:** Store away from oxidizers/acids/combustible materials. Protect from moisture. Keep container tightly closed. Store only in original container. Keep cool.

**Packaging Material:** Plastic.

**Unsuitable Packaging Material:** Not determined.

## 8. Exposure Controls / Personal Protection

**8.1 Control Parameters:**

Exposure Limits Values

Name	Air Concentration USA ACGIH TLV (ppm)	Air Concentration USA OSHA TWA (mg/m <sup>3</sup> )
Sodium Hydrosulfite	10	NA
Sodium Metabisulfite	5	5
Tetrasodium Pyrophosphate	5	5
Sodium Tripolyphosphate	10	NA

**8.2 Exposure Controls:**

**Engineering Measures:** Work in a well ventilated area or under a ventilation hood.

**8.3 Individual Protection Measures, such as Personal Protective Equipment:**

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

**Eye Protection:** Wear closed safety glasses or chemical splash goggles.

**Skin Protection:** Wear protective clothing.

**Respiratory Protection:** None needed when used with adequate ventilation.

**Hand Protection:** Wear protective gloves. Gloves must be inspected prior to use. Replace if worn or damaged. Do not reuse.

**Hygiene Measures:** Wash thoroughly after handling. Do not smoke, eat or drink in work area.

## 9. Physical and Chemical Properties

**Appearance:** White Powder.

**Odor:** Sulfur Odor.

**Odor Threshold:** Not Determined.

**pH:** Not Applicable.

**Melting Point/Freezing Point (°C):** Not Applicable.

**Initial Boiling Point/Boiling Point Range (°C):** Not Applicable.

**Flash Point (°C):** Not Applicable.

**Evaporation Rate:** Not Determined.

**Flammability (solid, gas):** Not Flammable.

**Upper/Lower Flammability or Explosive Limits:** Not Applicable.

**Vapor Pressure:** Not Determined.

**Vapor Density:** Not Determined.



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**Relative Density (Water =1):** 1.1 g/cm<sup>3</sup> at 20 °C.

**Solubility:** < 17% Soluble in Water.

**Partition Coefficient: n-Octanol/Water:** Not Applicable.

**Auto-ignition Temperature:** Not Applicable.

**Viscosity:** Not Applicable.

**Explosive Properties:** Not Applicable.

**Oxidizing Properties:** Not Applicable.

### 10. Stability and Reactivity

**10.1 Reactivity:** See sub sections below.

**10.2 Chemical Stability:** Stable if used according to specifications.

**10.3 Possibility of Hazardous Reactions:** Avoid moisture, oxidizing agents, or acidic materials.

**10.4 Conditions to Avoid:** Avoid moisture and heat above 122° (50 °C).

**10.5 Incompatible Materials:** Avoid contact with acids, oxidizing agents.

**10.6 Hazardous Decomposition Products:** In case of fire: Oxides of Sulfur, Oxides of Phosphorus.

### 11. Toxicological Information

**Acute Toxicity:** Data not available for mixture.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Eye Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** Prolonged exposure may cause sensitization in people allergic to sulfites.

**Germ Cell Mutagenicity:** No information available.

**Carcinogenicity:** Not listed by NTP, IARC, OSHA, or ACGIH as a carcinogen.

**Reproductive Toxicity:** No information available.

**Specific Target Organ Toxicity – Single Exposure:** Category 3 - Respiratory system.

**Specific Target Organ Toxicity – Repeated Exposure:** No information available.

**Aspiration Hazard:** No information available.

**Inhalation:** Can cause upper respiratory tract, nose and throat irritation. Persons with a known respiratory system response such as wheezing or asthmatic reactions to irritants must be excluded from exposure.

**Subchronic/Chronic Toxicity:** No information available.

### 12. Ecological Information

**12.1 Ecotoxicity:**

**Aquatic Toxicity:** Not determined.

**12.2 Persistence and Degradability:** Not applicable to inorganic substances.

**12.3 Bioaccumulative Potential:** Not expected to bio-accumulate.

**12.4 Mobility in Soil:** No information available.

**12.5 Results of PBT and vPvB Assessment:** This product does not contain PBT or vPvB substances.

**12.6 Other Adverse Effects:** No data available.

# SAFETY DATA SHEET – DroGo® “B”

## 13. Disposal Considerations

### 13.1 Disposal Methods:

**Product (Any Residual Waste/Unused Product):** Dispose of any residual product waste or unused product to waste collection point and in accordance to applicable regulations. Avoid release to the environment.

**Packaging (Plastic):** After use, close empty bottle, and dispose of to waste collection point and in accordance to applicable regulations.

## 14. Transport Information

**14.1 UN-Number:** Not Regulated.

**14.2 UN Proper Shipping Name:** Not Regulated.

**14.3 Transport hazard class(es):** Not Regulated.

**14.4 Packing group:** Not Regulated.

**14.5 Environmental Hazard(s):** Not Regulated.

**14.6 Special Precaution to User:** See section 7.

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not Applicable.

## 15. Regulatory Information

### 15.1 Safety Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### U.S. Regulations:

Inventory Status: All components are on TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) Hazard Categories: Fire.

SARA 313: This product does not contain any SARA 313 Toxic Release Chemicals.

## 16. Further Information

### Abbreviations and Acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists.

C = Concentration (weight percent).

DOT = Department of Transportation (United States).

IMDG = International Maritime Dangerous Goods Code.

IARC = International Agency for Research on Cancer.

OSHA = Occupational Safety & Health Administration.

PBT = Persistent, Bioaccumulative and Toxic Substances.

ppm = parts per million.

OELV = Occupational Exposure Limits Values.

TLV = Threshold Limit Values.

TSCA = Toxic Substance Control Act.

TWA = Time-Weighted Average.

vPvB = very Persistent and very Bioaccumulative Substances.

*The information contained herein is accurate to the best of our knowledge. A. L. Wilson Chemical Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.*