

SAFETY DATA SHEET – SoGo® “1”

1. Identification

1.1 Product Identifier: SoGo “1”

1.2 Recommended Use of the Chemical and Restrictions on Use: Removes protein stains and natural starch from 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 – Category 1

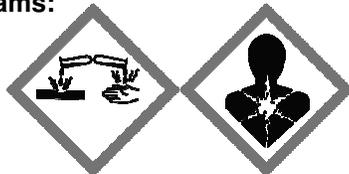
Skin Irritant – Category 2

Respiratory Sensitizer – Category 1

2.2 Label Elements:

Contains: Enzyme Blend, Alcohol Ethoxylate [6802-97-1], Sodium Sulfate [7757-82-6], Sodium Tripolyphosphate [7758-29-4], Sodium Bicarbonate [144-55-8].

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H318: Causes serious eye damage.

H315: Causes skin irritation.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements:

Prevention:

P102: Keep out of reach of children.

P260: Do not breathe dusts or mists.

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+P342+P311: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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.

P233: Keep container tightly closed.

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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 Bicarbonate	144-55-8	30% ≤ C ≤ 40%
Sodium Tripolyphosphate	7758-29-4	20% ≤ C ≤ 30%
Sodium Sulfate	7757-82-6	15% ≤ C ≤ 20%
Alcohol Ethoxylate	6802-97-1	5% ≤ C < 10%
Enzyme Blend	Proprietary	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. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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:

Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Eye Contact: Causes serious eye damage.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed:

Repeated inhalation of enzyme dust may induce sensitization and may cause allergic reactions.

5. Fire-fighting Measures

5.1 Suitable Extinguishing Media: Water.

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.

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6.3 Methods and Materials for Containment and Cleaning Up: Use a vacuum cleaner equipped with a HEPA (High Efficiency Particulate Air) filter to collect waste and dispose to waste collection point and in accordance to applicable regulations.

7. Handling and Storage

7.1 Precautions for Safe Handling: Keep out of reach of children. Do not breathe dusts or mists. 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

Store only in original container. Keep container tightly closed.

Packaging Material: Plastic or fiber drums.

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 ³)
Enzymes (As 100% Pure Protease)	-	0.0006

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: Off-white Powder.

Odor: Surfactant-like Odor.

Odor Threshold: Not Determined.

pH: 9.5-9.7 (1% Solution).

Melting Point/Freezing Point (°C): Not Determined.

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.

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Vapor Pressure: Not Applicable.

Vapor Density: Not Applicable.

Relative Density (Water = 1): ~0.90 g/cm³ at 20 °C.

Solubility: 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: No information available.

10.2 Chemical Stability: Stable if used according to specifications.

10.3 Possibility of Hazardous Reactions: No information available.

10.4 Conditions to Avoid: High ambient temperature, high humidity.

10.5 Incompatible Materials: Strong alkali, acids, oxidizing agents.

10.6 Hazardous Decomposition Products: In case of fire: carbon dioxide, carbon monoxide.

11. Toxicological Information

Acute Toxicity: Data not available for mixture.

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Eye Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Respiratory sensitizer.

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: Respiratory system.

Aspiration Hazard: No information available.

Inhalation: May cause allergy or asthma symptoms or breathing difficulties.

Subchronic/Chronic Toxicity: Repeated inhalation of enzyme dust may induce sensitization and may cause allergic reactions.

12. Ecological Information

12.1 Ecotoxicity:

Aquatic Toxicity: Not determined.

12.2 Persistence and Degradability: The enzymes and surfactants are biodegradable. Biodegradability is not applicable to inorganic components.

12.3 Bioaccumulative Potential: Not determined.

12.4 Mobility in Soil: No information available.

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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 or Fiber): After use, close empty container, 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: Acute.

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 – SoGo[®] S.M.R.

1. Identification

1.1 Product Identifier: SoGo S.M.R.

1.2 Recommended Use of the Chemical and Restrictions on Use: Powder chlorine bleach 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:

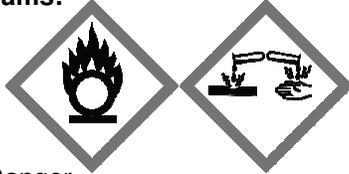
Oxidizer Solid – Category 3

Skin Corrosive – Category 1A

2.2 Label Elements:

Contains: Lithium Hypochlorite [13840-33-0], Sodium Sulfate [7757-82-6], Sodium Tripolyphosphate [7758-29-4], Sodium Chloride [7647-14-5], Sodium Silicate [1344-09-8].

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H272: May intensify fire; oxidizer.

H314: Causes severe skin burns and eye damage.

Precautionary Statements:

Prevention:

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames or other ignition sources. No Smoking.

P220: Keep away from clothing and other combustible materials.

P260: Do not breathe dusts or mists.

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+P310+P330+P331+P321: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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.

P370+P378: In case of fire: Use only water for extinction.

Storage:

P232: Protect from moisture.

P233: Keep container tightly closed.

P234: Keep only in original container.

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P420: Store away from other materials.

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
Lithium Hypochlorite	13840-33-0	15% ≤ C ≤ 25%
Sodium Sulfate	7757-82-6	25% ≤ C ≤ 30%
Sodium Tripolyphosphate	7758-29-4	20% ≤ C ≤ 25%
Sodium Chloride	7647-14-5	20% ≤ C ≤ 25%
Sodium Silicate	1344-09-8	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: Immediately call a POISON CENTER or doctor/physician. 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 severe eye damage.

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

5. Fire-fighting Measures

5.1 Suitable Extinguishing Media: Use only water for extinction.

5.2 Specific Hazards Arising from the Substance or Mixture: Oxygen & chlorine gases may be released if heated to decomposition or contacted by strong acids.

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.

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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

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: Oxidizers.

Protect from moisture. Keep container tightly closed. Store only in original container. Store away from other materials.

Packaging Material: Plastic bottle, plastic bag in a plastic pail, or plastic bag in a fiber drum.

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 ³)
Lithium Hypochlorite	1	-
Sodium Tripolyphosphate	-	10

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: Chlorine Bleach 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 Applicable.

Flammability (solid, gas): Oxidizer.

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Upper/Lower Flammability or Explosive Limits: Not Applicable.

Vapor Pressure: Not Applicable.

Vapor Density: Not Applicable.

Relative Density (Water =1): < 1 g/cm³ at 20°C.

Solubility: Soluble in Water.

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

Auto-ignition Temperature: Not Applicable.

Viscosity: Not Applicable.

Explosive Properties: Not Applicable.

Oxidizing Properties: Oxidizer.

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: Strong acids.

10.4 Conditions to Avoid: Avoid moisture and contact with combustible materials such as paper, wood.

10.5 Incompatible Materials: Strong oxidizing and reducing agents, acids, most organic compounds.

10.6 Hazardous Decomposition Products: Oxygen & chlorine gases may be released if heated to decomposition or contacted by strong acids.

11. Toxicological Information

Acute Toxicity: Data not available for mixture.

Skin Corrosion/Irritation: Causes severe skin burns.

Serious Eye Damage/Eye Irritation: Causes severe eye damage.

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: Can cause upper respiratory tract, nose and throat irritation.

Subchronic/Chronic Toxicity: Continuous inhalation exposure may cause lung damage.

12. Ecological Information

12.1 Ecotoxicity:

Aquatic Toxicity: Toxic to aquatic life.

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.

SAFETY DATA SHEET – SoGo[®] S.M.R.

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 container, and dispose of to waste collection point and in accordance to applicable regulations.

14. Transport Information

Domestic Ground Transport Only (no aircraft or vessel): Ltd Qty

14.1 UN-Number: UN1479

14.2 UN Proper Shipping Name: Oxidizing solid, N.O.S. (Lithium Hypochlorite mixture)

14.3 Transport hazard class(es): 5.1

14.4 Packing group: PG III

14.5 Environmental Hazard(s): Marine Pollutant: No

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: Acute health hazard, Reactive.

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 – SoGo® "Plus 1"

1. Identification

1.1 Product Identifier: SoGo "Plus 1"

1.2 Recommended Use of the Chemical and Restrictions on Use: Laundry stain remover. 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: Water [7732-18-5], Biodegradable Surfactants, Isopropyl Alcohol [67-63-0].

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	60% ≤ C ≤ 70 %
Proprietary Biodegradable Surfactants	Not Available for Mixture	10% ≤ C ≤ 25%
Isopropyl Alcohol	67-63-0	3% ≤ C ≤ 6%

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: Use water, fog, foam, or Carbon Dioxide "CO₂" for fires in area.

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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Store only in original container. Keep container sealed when not in use.

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 ³)
Isopropyl Alcohol	500 ppm	-

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: Clear to Light Yellow Liquid.

Odor: Light Surfactant Odor

Odor Threshold: Not Determined.

pH: ~ 7.0

Melting Point/Freezing Point (°C): Not Determined.

Initial Boiling Point/Boiling Point Range (°C): 100°C (212°F).

Flash Point (°C): > 62.2°C (> 140°F) T.C.C. Method (Water Based - It Will Not Sustain Combustion).

Evaporation Rate: Not Determined.

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): 0.98 at 20°C.

Solubility: Highly Soluble in Water.

Partition Coefficient: n-Octanol/Water: Not Determined.

Auto-ignition Temperature: Not Applicable.

Viscosity: Not Determined.

Explosive Properties: Not Applicable.

Oxidizing Properties: Not Applicable.

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10. Stability and Reactivity

10.1 Reactivity: No information available.

10.2 Chemical Stability: Stable if used according to specifications.

10.3 Possibility of Hazardous Reactions: Strong alkali, acids, reducing or oxidizing agents.

10.4 Conditions to Avoid: No information available.

10.5 Incompatible Materials: No information available.

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

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

14. Transport Information

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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.

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