

Identification of Substance

Product Name: DW-Diluent
Synonyms: Diluent of Hematology Reagent
Catalogue Number: 66-10-020
Manufacturer: Labnovation Technologies, Inc.
 1F, W2-B Building, Keji 2 Road South, Hi-Tech Industrial Park
 Shenzhen 518067, China
Emergency Call: +86 755 86368328

Composition and Information on Ingredients

Active Ingredients: Anti-Microbial Agent<0.1%
 Sodium Chloride<1%

Hazardous Identification

| | | | |
|---------------------------------------|---|----------------|-----------------|
| Potential Health Effect | Liquid. Odorless. Nonflammable. Irritation of eyes and mucous membrane may be resulted in by contact. | | |
| Product Hazard Classifications | EU None | US OSHA Yes | WHMIS Exempt |
| Reactivity | Minima risk | | |

First Aid Measures

Ingestion Call physician for medical attention if the product is taken internally. Do not attempt to induce vomiting, or to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious.

Inhalation Remove exposed individual to fresh air. If irritation or signs of toxicity occur, seek medical advice immediately.

Skin Contact Wash the skin area with soap and water. Rinse with copious amount of water.

Eye Contact Wash immediately with clean and flowing water. Continue for at least 15 minutes. Obtain medical advice if pain or irritation occurs.

Fire-fighting Measures

| | |
|--|--|
| Fire and Explosion Hazard | Not applicable |
| Extinguishing Media | Use extinguishing media for surrounding fire. |
| Special Fire and Explosion Hazard | No special hazards |
| Hazardous Combustion Products | No combustion products posing significant hazards are expected from this product. |
| Protective Equipment for Firefighters | Self-contained breathing apparatus and full protective equipment are recommended for firefighters. |

Accidental Release Measures

| | |
|---------------------------|--|
| Personal Precautions | Use good laboratory procedures |
| Clean-up Methods | Wipe up spill and place in containers suitable for disposal. |
| Environmental Precautions | For large spills, take precautions to prevent entry into waterways, sewers, or surface waters. |

Handling and Storage

| | |
|--|--|
| Safe Handling | Avoid contact with eyes. Use good laboratory procedures. |
| Recommended Storage Conditions | Keep in the original packaging at the labeled temperature. |
| Protection against Explosion And Fires | No special measures required. Refer to the product label for additional information on storage conditions. |

Exposure Controls and Personal Protection

| | |
|------------------------|--|
| Engineering Controls | Use in well-ventilated rooms. No special engineering controls are required. |
| Respiratory Protection | Under normal conditions. No respiratory protection is required of the use of this product. |
| Hand Protection | Impervious gloves are recommended if hand contact with the material is anticipated. |
| Eye Protection | Safety glasses or goggles are recommended if danger of splashes may be present. |
| Skin Protection | Laboratory coat or appropriate clothing is needed when working with the product. |

Chemical and Physical Properties

| | |
|-------------------|----------------------------|
| Appearance | Liquid |
| Color | Colorless |
| Odor | Odorless |
| PH | 7.75 ± 0.2 |
| Boiling Point | NA |
| Melting Point | NA |
| Flash Point | NA |
| Flammability | Not flammable |
| Auto Flammability | Not flammable |
| Density | NA |
| Solubility | Water: Miscible Fat: NA |

Chemical and Physical Properties

| | |
|----------------------------------|--|
| Stability | Stable under normal temperatures and pressures. |
| Materials to Avoid | Incompatible with acids, bases and strong oxidizers. |
| Conditions to Avoid | None determined. |
| Hazardous Decomposition Products | No dangerous decomposition products known. |

Toxicological Information

| | |
|---------------------------------------|--|
| Toxicity Data | NA |
| Routes of Exposure | Skin, eyes, inhalation and ingestion |
| Potential Effects of Acute Exposure | May cause irritation of the nose, throat, skin, and eyes. |
| Potential Effects of Chronic Exposure | Long-term exposure may result in liver toxic. |
| Symptoms of Overexposure | Chronic overexposure may produce effects similar to acute exposure. |
| Carcinogenicity | This product does not contain a reportable concentration ($\geq 0.1\%$) of any ingredient listed as carcinogen by 67/548/EEC Annex I . |

Ecological Information

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|---------------|--|
| General Notes | Do not introduce undiluted product or large quantities of it to reach surface water, water supply, or sewage system. |
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Disposal Considerations

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|----------------|--|
| Waste Disposal | Dispose unused product, packaging in accordance with local regulations. If unsure of the applicable requirements, contact the authorities for information. |
|----------------|--|

Transport Information

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.

Regulatory Information

| | |
|-------------------------------------|----------------------|
| SARA 313 | No compounds listed. |
| CERCLA RG's, 40 CFR 302.4 | No compounds listed. |
| California Proposition 65 | No compounds listed. |
| Massachusetts MSL | No compounds listed. |
| New Jersey Dept. of Health RTK List | No compounds listed. |
| Pennsylvania RTK | No compounds listed. |

EU Labeling Classification

None

Other Information

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If for internal purposes only, unlimited paper copies of this MSDS are permitted.

Identification of Substance

Product Name: DW-Sheath
 Synonyms: Sheath of Hematology Reagent
 Catalogue Number: 66-15-010
 Manufacturer: Labnovation Technologies, Inc.
 1F, W2-B Building, Keji 2 Road South, Hi-Tech Industrial Park
 Shenzhen 518057, China
 Emergency Call: +86 755 86368328

Composition and Information on Ingredients

Active Ingredients: Sodium Phosphate, Diabasic<0.3%

Hazardous Identification

Potential Health Effect: Liquid. Odorless. Nonflammable. Irritation of skin, eyes, and mucous membrane may be resulted in by Exposure.
 Product Hazard Classifications:

| | | |
|------|---------|--------|
| EU | US OSHA | WHMIS |
| None | Yes | Exempt |

Reactivity: Minima risk

First Aid Measures

Ingestion Call physician for medical attention if the product is taken internally. Do not attempt to induce vomiting, or to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious.
Inhalation Remove exposed individual to fresh air. If irritation or signs of toxicity occur, seek medical advice immediately.
Skin Contact Wash the skin area with soap and water. Rinse with copious amount of water.
Eye Contact Wash immediately with clean and flowing water. Continue for at least 15 minutes. Obtain medical advice if pain or irritation occurs.

Fire-fighting Measures

Fire and Explosion Hazard Not applicable
Extinguishing Media Use extinguishing media for surrounding fire.
Special Fire and Explosion Hazard No special hazards
Hazardous Combustion Products No combustion products posing significant hazards are expected from this product.
Protective Equipment for Firefighters Self-contained breathing apparatus and full protective equipment are recommended for firefighters.

Accidental Release Measures

| | |
|---------------------------|--|
| Personal Precautions | Use good laboratory procedures |
| Clean-up Methods | Wipe up spill and place in containers suitable for disposal. |
| Environmental Precautions | For large spills, take precautions to prevent entry into waterways, sewers, or surface waters. |

Handling and Storage

| | |
|--|--|
| Safe Handling | Avoid contact with eyes. Use good laboratory procedures. |
| Recommended Storage Conditions | Keep in the original packaging at the labeled temperature. |
| Protection against Explosion And Fires | No special measures required. Refer to the product label for additional information on storage conditions. |

Exposure Controls and Personal Protection

| | |
|------------------------|--|
| Engineering Controls | Use in well-ventilated rooms. No special engineering controls are required. |
| Respiratory Protection | Under normal conditions. No respiratory protection is required of the use of this product. |
| Hand Protection | Impervious gloves are recommended if hand contact with the material is anticipated. |
| Eye Protection | Safety glasses or goggles are recommended if danger of splashes may be present. |
| Skin Protection | Laboratory coat or appropriate clothing is needed when working with the product. |

Chemical and Physical Properties

| | |
|-------------------|----------------------------|
| Appearance | Liquid |
| Color | Colorless |
| Odor | Odorless |
| PH | 8.6 ± 0.2 |
| Boiling Point | NA |
| Melting Point | NA |
| Flash Point | NA |
| Flammability | Not flammable |
| Auto Flammability | Not flammable |
| Density | NA |
| Solubility | Water: Miscible Fat: NA |

Chemical and Physical Properties

| | |
|----------------------------------|--|
| Stability | Stable under normal temperatures and pressures. |
| Materials to Avoid | Incompatible with acids, bases and strong oxidizers. |
| Conditions to Avoid | None determined. |
| Hazardous Decomposition Products | No dangerous decomposition products known. |

Toxicological Information

| | |
|---------------------------------------|--|
| Toxicity Data | NA |
| Routes of Exposure | Skin, eyes, inhalation and ingestion |
| Potential Effects of Acute Exposure | May cause irritation of the nose, throat, skin, and eyes. |
| Potential Effects of Chronic Exposure | Long-term exposure may result in liver toxic. |
| Symptoms of Overexposure | Chronic overexposure may produce effects similar to acute exposure. |
| Carcinogenicity | This product does not contain a reportable concentration ($\geq 0.1\%$) of any ingredient listed as carcinogen by 67/548/EEC Annex I . |

Ecological Information

| | |
|---------------|--|
| General Notes | Do not introduce undiluted product or large quantities of it to reach surface water, water supply, or sewage system. |
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Disposal Considerations

| | |
|----------------|--|
| Waste Disposal | Dispose unused product, packaging in accordance with local regulations. If unsure of the applicable requirements, contact the authorities for information. |
|----------------|--|

Transport Information

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.

Regulatory Information

| | |
|-------------------------------------|----------------------|
| SARA 313 | No compounds listed. |
| CERCLA RG's, 40 CFR 302.4 | No compounds listed. |
| California Proposition 65 | No compounds listed. |
| Massachusetts MSL | No compounds listed. |
| New Jersey Dept. of Health RTK List | No compounds listed. |
| Pennsylvania RTK | No compounds listed. |

EU Labeling Classification

None

Other Information

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If for internal purposes only, unlimited paper copies of this MSDS are permitted.

Identification of Substance

Product Name: DW-Lyse
Synonyms: Lytic reagent of Hematology Reagent
Catalogue Number: 66-30-005
Manufacturer: Labnovation Technologies, Inc.
 1F, W2-B Building, Keji 2 Road South, Hi-Tech Industrial Park
 Shenzhen 518057, China
Emergency Call: +86 755 86368328

Composition and Information on Ingredients

Active Ingredients: Quaternary Ammonium Salts<6.8%

Hazardous Identification

| | | | |
|---------------------------------------|---|----------------|-----------------|
| Potential Health Effect | Liquid. Faint odor. Nonflammable. Irritation of skin, eyes, and mucous membrane may be resulted in by Exposure. | | |
| Product Hazard Classifications | EU Xi; R36/37/38 | US OSHA Yes | WHMIS Exempt |
| Reactivity | Minima risk | | |

First Aid Measures

Ingestion Call physician for medical attention if the product is taken internally. Do not attempt to induce vomiting, or to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious.
Inhalation Remove exposed individual to fresh air. If irritation or signs of toxicity occur, seek medical advice immediately.
Skin Contact Wash the skin area with soap and water. Rinse with copious amount of water.
Eye Contact Wash immediately with clean and flowing water. Continue for at least 15 minutes. Obtain medical advice if pain or irritation occurs.

Fire-fighting Measures

| | |
|--|--|
| Fire and Explosion Hazard | Not applicable |
| Extinguishing Media | Use extinguishing media for surrounding fire. |
| Special Fire and Explosion Hazard | No special hazards |
| Hazardous Combustion Products | No combustion products posing significant hazards are expected from this product. |
| Protective Equipment for Firefighters | Self-contained breathing apparatus and full protective equipment are recommended for firefighters. |

Accidental Release Measures

| | |
|---------------------------|--|
| Personal Precautions | Use good laboratory procedures |
| Clean-up Methods | Wipe up spill and place in containers suitable for disposal. |
| Environmental Precautions | For large spills, take precautions to prevent entry into waterways, sewers, or surface waters. |

Handling and Storage

| | |
|--|--|
| Safe Handling | Avoid contact with eyes. Use good laboratory procedures. |
| Recommended Storage Conditions | Keep in the original packaging at the labeled temperature. |
| Protection against Explosion And Fires | No special measures required. Refer to the product label for additional information on storage conditions. |

Exposure Controls and Personal Protection

| | |
|------------------------|--|
| Engineering Controls | Use in well-ventilated rooms. No special engineering controls are required. |
| Respiratory Protection | Under normal conditions. No respiratory protection is required of the use of this product. |
| Hand Protection | Impervious gloves are recommended if hand contact with the material is anticipated. |
| Eye Protection | Safety glasses or goggles are recommended if danger of splashes may be present. |
| Skin Protection | Laboratory coat or appropriate clothing is needed when working with the product. |

Chemical and Physical Properties

| | |
|-------------------|----------------------------|
| Appearance | Liquid |
| Color | Colorless |
| Odor | Slightly Pungent |
| PH | 9.55 ± 0.2 |
| Boiling Point | NA |
| Melting Point | NA |
| Flash Point | NA |
| Flammability | Not flammable |
| Auto Flammability | Not flammable |
| Density | NA |
| Solubility | Water: Miscible Fat: NA |

Chemical and Physical Properties

| | |
|----------------------------------|--|
| Stability | Stable under normal temperatures and pressures. |
| Materials to Avoid | Incompatible with acids, bases and strong oxidizers. |
| Conditions to Avoid | None determined. |
| Hazardous Decomposition Products | No dangerous decomposition products known. |

Toxicological Information

| | |
|---------------------------------------|--|
| Toxicity Data | NA |
| Routes of Exposure | Skin, eyes, inhalation and ingestion |
| Potential Effects of Acute Exposure | May cause irritation of the nose, throat, skin, and eyes. |
| Potential Effects of Chronic Exposure | Long-term exposure may result in liver toxic. |
| Symptoms of Overexposure | Chronic overexposure may produce effects similar to acute exposure. |
| Carcinogenicity | This product does not contain a reportable concentration ($\geq 0.1\%$) of any ingredient listed as carcinogen by 67/548/EEC Annex I . |

Ecological Information

| | |
|---------------|--|
| General Notes | Do not introduce undiluted product or large quantities of it to reach surface water, water supply, or sewage system. |
|---------------|--|

Disposal Considerations

| | |
|----------------|--|
| Waste Disposal | Dispose unused product, packaging in accordance with local regulations. If unsure of the applicable requirements, contact the authorities for information. |
|----------------|--|

Transport Information

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.

Regulatory Information

| | |
|-------------------------------------|----------------------|
| SARA 313 | No compounds listed. |
| CERCLA RG's, 40 CFR 302.4 | No compounds listed. |
| California Proposition 65 | No compounds listed. |
| Massachusetts MSL | No compounds listed. |
| New Jersey Dept. of Health RTK List | No compounds listed. |
| Pennsylvania RTK | No compounds listed. |

EU Labeling Classification

Xi



Irritant

R36/37/38 Irritating to eyes and skin.

Other Information

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If for internal purposes only, unlimited paper copies of this MSDS are permitted.

Identification of Substance

Product Name: DW-Klenz
 Synonyms: Cleaner of Hematology Reagent
 Catalogue Number: 66-40-005
 Manufacturer: Labnovation Technologies, Inc.
 1F, W2-B Building, Keji 2 Road South, Hi-Tech Industrial Park
 Shenzhen 518057, China
 Emergency Call: +86 755 86368328

Composition and Information on Ingredients

Active Ingredients: Sodium Sulfate<1.5%

Hazardous Identification

| | | | |
|--------------------------------|---|----------------|-----------------|
| Potential Health Effect | Liquid. Faint odor. Nonflammable. Irritation of skin, eyes, and mucous membrane may be resulted in by Exposure. | | |
| Product Hazard Classifications | EU Xi; R36/37/38 | US OSHA Yes | WHMIS Exempt |
| Reactivity | Minima risk | | |

First Aid Measures

Ingestion Call physician for medical attention if the product is taken internally. Do not attempt to induce vomiting, or to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious.

Inhalation Remove exposed individual to fresh air. If irritation or signs of toxicity occur, seek medical advice immediately.

Skin Contact Wash the skin area with soap and water. Rinse with copious amount of water.

Eye Contact Wash immediately with clean and flowing water. Continue for at least 15 minutes. Obtain medical advice if pain or irritation occurs.

Fire-fighting Measures

| | |
|---------------------------------------|--|
| Fire and Explosion Hazard | Not applicable |
| Extinguishing Media | Use extinguishing media for surrounding fire. |
| Special Fire and Explosion Hazard | No special hazards |
| Hazardous Combustion Products | No combustion products posing significant hazards are expected from this product. |
| Protective Equipment for Firefighters | Self-contained breathing apparatus and full protective equipment are recommended for firefighters. |

Accidental Release Measures

| | |
|---------------------------|--|
| Personal Precautions | Use good laboratory procedures |
| Clean-up Methods | Wipe up spill and place in containers suitable for disposal. |
| Environmental Precautions | For large spills, take precautions to prevent entry into waterways, sewers, or surface waters. |

Handling and Storage

| | |
|--|--|
| Safe Handling | Avoid contact with eyes. Use good laboratory procedures. |
| Recommended Storage Conditions | Keep in the original packaging at the labeled temperature. |
| Protection against Explosion And Fires | No special measures required. Refer to the product label for additional information on storage conditions. |

Exposure Controls and Personal Protection

| | |
|------------------------|--|
| Engineering Controls | Use in well-ventilated rooms. No special engineering controls are required. |
| Respiratory Protection | Under normal conditions. No respiratory protection is required of the use of this product. |
| Hand Protection | Impervious gloves are recommended if hand contact with the material is anticipated. |
| Eye Protection | Safety glasses or goggles are recommended if danger of splashes may be present. |
| Skin Protection | Laboratory coat or appropriate clothing is needed when working with the product. |

Chemical and Physical Properties

| | |
|-------------------|----------------------------|
| Appearance | Liquid |
| Color | Colorless |
| Odor | Slight odor |
| PH | 7.00 ± 0.2 |
| Boiling Point | NA |
| Melting Point | NA |
| Flash Point | NA |
| Flammability | Not flammable |
| Auto Flammability | Not flammable |
| Density | NA |
| Solubility | Water: Miscible Fat: NA |

Chemical and Physical Properties

| | |
|----------------------------------|--|
| Stability | Stable under normal temperatures and pressures. |
| Materials to Avoid | Incompatible with acids, bases and strong oxidizers. |
| Conditions to Avoid | None determined. |
| Hazardous Decomposition Products | No dangerous decomposition products known. |

Toxicological Information

| | |
|---------------------------------------|--|
| Toxicity Data | NA |
| Routes of Exposure | Skin, eyes, inhalation and ingestion |
| Potential Effects of Acute Exposure | May cause irritation of the nose, throat, skin, and eyes. |
| Potential Effects of Chronic Exposure | Long-term exposure may result in liver toxic. |
| Symptoms of Overexposure | Chronic overexposure may produce effects similar to acute exposure. |
| Carcinogenicity | This product does not contain a reportable concentration ($\geq 0.1\%$) of any ingredient listed as carcinogen by 67/548/EEC Annex I . |

Ecological Information

| | |
|---------------|--|
| General Notes | Do not introduce undiluted product or large quantities of it to reach surface water, water supply, or sewage system. |
|---------------|--|

Disposal Considerations

| | |
|----------------|--|
| Waste Disposal | Dispose unused product, packaging in accordance with local regulations. If unsure of the applicable requirements, contact the authorities for information. |
|----------------|--|

Transport Information

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.

Regulatory Information

| | |
|-------------------------------------|----------------------|
| SARA 313 | No compounds listed. |
| CERCLA RG's, 40 CFR 302.4 | No compounds listed. |
| California Proposition 65 | No compounds listed. |
| Massachusetts MSL | No compounds listed. |
| New Jersey Dept. of Health RTK List | No compounds listed. |
| Pennsylvania RTK | No compounds listed. |

EU Labeling Classification

Xi



Irritant

R36/37/38 Irritating to eyes and skin.

Other Information

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