

# SAFETY DATA SHEET



## ProMTag IP-to-MS IP Wash buffer 3 (IP-WB3)

Version 1.1

Revised: March 8, 2024

### SECTION 1. IDENTIFICATION

Product name ProMTag IP-to-MS IP Wash Buffer 3 (IP-WB3)

#### Manufacturer or supplier's details

Company Impact Proteomics, LLC

Telephone (512) 815-2067

Responsible Department Impact Proteomics, LLC  
1406 Browning Rd.  
Pittsburgh PA USA  
Tel: (512) 815-2067

Email address [info@impactproteomics.com](mailto:info@impactproteomics.com)

Emergency telephone 1-800-255-3924  
ChemTel Chemical Emergency Response Hotline

#### Recommended use of the chemical and restriction on use

Recommended use Laboratory chemicals

### SECTION 2. HAZARDS IDENTIFICATION

#### Classification of the substance/mixture

|      |                                    |
|------|------------------------------------|
| H225 | Flammable liquids (Category 3)     |
| H302 | Accute toxicity, oral (Category 4) |
| H332 | Acute toxicity, inhalation         |
| H319 | Eye irritation (Category 2A)       |

#### GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

|             |                                    |
|-------------|------------------------------------|
| H225        | Highly flammable liquid and vapor  |
| H302 + H332 | Harmful if swallowed or if inhaled |
| H319        | Causes serious eye irritation      |

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### Precautionary statement(s)

|                    |   |
|--------------------|---|
| P210               | Keep away from heat/sparks/open flames/hot surfaces. – No smoking   |
| P233               | Keep container tightly closed   |
| P240               | Ground/bond container and receiving equipment.  |
| P241               | Use explosion-proof electrical/ventilating/lighting/equipment   |
| P242               | Use only non-sparking tools.  |
| P243               | Take precautionary measures against static discharge  |
| P261               | Avoid breathing dust/fume/gas/mist/vapours/spray  |
| P264               | Wash skin thoroughly after handling   |
| P270               | Do not eat, drink, or smoke when using this product   |
| P271               | Use only outdoors or in a well-ventilated area  |
| P280               | Wear protective gloves/protective clothing/eye protection/face protection   |
| P301 + P312        | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell   |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                      |
| 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 |
| P312               | Call a POISON CENTER or doctor/physician if you feel unwell   |
| P330               | Rinse mouth   |
| P337 + P313        | If eye irritation persists: Get medical advice/attention  |
| P370 + P378        | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction  |
| P403 + P235        | Store in a well ventilated place. Keep cool.  |
| P501               | Dispose of contents/container to an approved waste disposal plant.  |

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

|                   |  |
|-------------------|--|
| Substance/Mixture | Mixture                                    |
| Substance Name    | ProMTag IP-to-MS IP Wash Buffer 1 (IP-WB1) |

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### Hazardous components

| Component  | Classification  | Concentration |
|--|---|---------------|
| Acetonitrile<br>CAS-No. 75-05-8<br>EC-No 200-835-2<br>Index-No. 608-001-00-3 | Flame. Liq. 2; Acute Tox. 4; Eye Irrit. 2A; H225, H302 + H312 + H332 + H319 | 10%           |

No other components need to be disclosed according to the applicable regulations

### SECTION 4. FIRST AID MEASURES

|   |  |
|---|--|
| General advice  | Show this material safety data sheet to the doctor in attendance   |
| If inhaled  | Move to fresh air. If symptoms persist, call a physician   |
| In case of skin contact                                     | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. |
| In case of eye contact                                      | Remove contact lenses. Protect unharmed eye. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.          |
| If swallowed  | Obtain immediate medical attention. Rinse mouth with water. Never give anything by mouth to an unconscious person                            |
| Most important symptoms and effects, both acute and delayed | May cause mild irritation to areas of contact  |
| Notes to physician  | Specific treatment (Wash areas of contact with water).   |

### SECTION 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| Suitable extinguishing media                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment |
| Specific hazards during fire fighting          | Highly flammable liquid and vapor  |
| Hazardous combustion products                  | No hazardous combustion products are known   |
| Specific extinguishing methods                 | In the event of fire and/or explosion do not breathe fumes   |
| Special protective equipment for fire-fighters | Wear self-contained breathing apparatus for firefighting if necessary                                  |

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection

Methods and materials for containment and cleaning up

Keep in suitable, close containers for disposal

## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion

Normal measures for preventive fire protection

Advice on safe handling

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with work place control parameters

| Component                       | Limit Type | Country | Exposure limit                         | Information Source                                 |
|---------------------------------|------------|---------|--|--|
| Acetonitrile<br>CAS-No. 75-05-8 | TWA        | USA     | 40 ppm TWA<br>70 mg/m <sup>3</sup> TWA | US – OSHA – Final PELs –<br>Time weighted averages |

## Exposure Controls

Engineering controls

No specific controls are needed. Normal room ventilation is adequate

Respiratory Protection

No specific controls are needed. Normal room ventilation is adequate

Skin Protection

Wear protective gloves and eye protection

Eye Protection

Wear protective gloves and eye protection

## Personal protective equipment

Wear protective gloves and eye protection

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|                          |   |
|--------------------------|---|
| Eye protection           | Safety glasses  |
| Skin and body protection | Choose body protection according to the amount and concentration of the dangerous substance at the work place. Footwear protecting against chemicals. |
| Hygiene measures         | Keep away from food and drink. When using do not eat, drink, or smoke.  |

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |   |
|--------------------------|---|
| Appearance               | Clear/colorless                           |
| Physical state           | Liquid                                    |
| Odor                     | Odorless                                  |
| Odor Threshold           | Does not apply                            |
| pH                       | 8   |
| Melting point/range      | No data available                         |
| Boiling point/range      | No data available                         |
| Flash point              | No data available                         |
| Evaporation rate         | No data available                         |
| Flammability (solid gas) | Not applicable as the mixture is a liquid |
| Explosion limits         | No data available                         |
| Solubility in water      | No data available                         |
| Explosive properties     | No data available                         |
| Oxidizing properties     | No data available                         |

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#### SECTION 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | Stable under normal conditions of use and storage  |
| Chemical stability                 | When stored at room temperature the product is stable                                    |
| Possibility of hazardous reactions | No known hazardous reactions   |
| Conditions to avoid                | Keep away from heat, sparks and open flame. No smoking.<br>Keep container tightly closed |
| Incompatible materials             | No data available  |
| Hazardous decomposition products   | May emit irritating fumes when heated to decomposition                                   |

#### SECTION 11. TOXICOLOGICAL INFORMATION

|                                |  |
|--------------------------------|--|
| Acute toxicity – oral exposure | Toxic if swallowed. Do not eat, drink or smoke when using this product. IF SWALLOWED: Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Rinse mouth. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.  |
| Irritation                     | Irritant to skin and mucous membranes. Irritating to eyes  |
| Corrosivity                    | Not applicable   |
| Sensitisation                  | No sensitizing effects known   |
| Repeated dose toxicity         | No data available  |
| Carcinogenicity                | Not applicable   |
| Mutagenicity                   | Suspected of causing genetic defects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations |
| Toxicity for reproduction      | Not applicable.  |

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|---|--|
| Specific Target Organ Toxicity from single exposure   | Causes damage to organs. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. IF exposed: Call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Store locked up. Dispose of contents in accordance with local, state, federal and international regulations. |
| Specific Target Organ Toxicity from Repeated Exposure | May cause damage to organs through prolonged or repeated exposure. Do not breathe dust, fumes or mist. Get medical attention if you feel unwell. Dispose of contents in accordance with local, state, federal and international regulations  |
| Aspiration hazard                                     | Not applicable   |
| Additional toxicology information                     | Data not available   |

#### SECTION 12. Ecological Information

|                                    |  |
|------------------------------------|--|
| Toxicity                           | Contains a substance which is toxic to aquatic organisms. Avoid release to the environment. Dispose of contents in accordance with local, state, federal, and international regulations. |
| Persistence and degradability      | Data not available   |
| Bioaccumulative potential          | Data not available   |
| Mobility in soil                   | Data no available  |
| Results of PBT and vPVB assessment | No information available   |
| Other adverse effects              | None known   |

#### SECTION 13. DISPOSAL CONSIDERATIONS

|                                    |  |
|------------------------------------|--|
| Waste from residues/unused product | Wash down a water drain with water. Wipe up any spills of the solution with absorbent material and water. Dispose of absorbent material in the normal waste. |
| Contaminated packaging             | Rinse with water and dispose of in normal waste according to local regulations. Recycle where appropriate facilities are available.                          |

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### SECTION 14. TRANSPORT INFORMATION

#### Transportation by land – Department of Transportation (DOT, United States of America)

UN number UN1648

UN proper shipping name Acetonitrile Solution

Transport hazard class 3

Packaging group II

Hazard Placard Labels:



#### Transportation by air – International Air Transport Association (IATA)

UN number UN1648

UN proper shipping name Acetonitrile Solution

Transport hazard class 3

Packaging group II

Hazard Placard Labels:



### SECTION 15. REGULATORY INFORMATION

#### Occupational Safety and Health Administration Hazards

Not listed

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

#### SARA 313 Toxic Release Inventory (TRI)

Acetonitrile (CAS #75-05-8): 1.0% de minimis concentration



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**Massachusetts Right-to-Know substance list**

Acetonitrile (CAS # 75-05-8): Present

**Pennsylvania Right-to-Know Hazardous Substances**

Acetonitrile (CAS # 75-05-8): Environmental hazard

Acetonitrile (CAS # 75-05-8): Present

**New Jersey Worker and Community Right-to-Know Components**

Acetonitrile (CAS # 75-05-8): flammable - third degree

Acetonitrile (CAS # 75-05-8): sn 0008

Acetonitrile (CAS # 75-05-8): SN 0008 TPQ: 500 lb

Acetonitrile (CAS # 75-05-8): SN 2308 TPQ: 500 lb (Category Code N106, listed under Cyanide)

Acetonitrile (CAS # 75-05-8): sn 2308; sn 0553

**California Proposition 65**

Not listed.

**Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)**

Acetonitrile (CAS # 75-05-8): Present

**United States of America Toxic Substances Control Act (TSCA) List**

Acetonitrile (CAS # 75-05-8): Present

**European Inventory of Existing Commercial Chemical Substances (EINECS),  
European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)**

Not listed.

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**SECTION 16. OTHER INFORMATION****16.1. Full Text of Hazard Statements and Precautionary Statements**

Highly flammable liquid and vapor. Toxic if swallowed. Suspected of causing genetic defects. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fumes or mist. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves and eye protection.

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IF SWALLOWED: Immediately call a POISON CENTER or physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF exposed: Call a POISON CENTER or physician. Get medical attention if you feel unwell. Specific treatment (Wash areas of contact with water). Rinse mouth. In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.

Store in a well-ventilated place. Keep cool. Store locked up.

Dispose of contents in accordance with local, state, federal and international regulations.

### Miscellaneous Hazard Classes

|   |                 |
|---|-----------------|
| <b>Canadian Carcinogenicity Hazard Class:</b>             | Not Applicable. |
| <b>Physical Hazards Not Otherwise Classified (PHNOC):</b> | Not applicable  |
| <b>Health Hazards Not Otherwise Classified (HHNOC):</b>   | Not applicable  |
| <b>Biohazardous Infectious Materials Hazard Class:</b>    | Not applicable  |

### Document Revision

**Last Revision Date:** 3/8/2024

### Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative;

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DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

**DISCLAIMER**

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Impact Proteomics, LLC. assumes no legal responsibility or liability whatsoever resulting from its use.