

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier:

Product Name IntelliPlex 10X Assay Wash Buffer
Product Code 80220

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses For professional users only.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: PlexBio Co., Ltd.
 6F-1, No. 351 Yangguang Street, Neihu District, Taipei 114 Taiwan, R.O.C.
 Tel: +886-2-2627-5878 Fax: +886-2-2627-5979

1.4 Emergency telephone number

Emergency Phone # Tel: +886-2-2627-5878
Email service@plexbio.com

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

2.2 GHS Label elements, including precautionary statements:

Not a hazardous substance or mixture.

2.3 Other hazards (Hazards not otherwise classified (HNOC) or not covered by GHS

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Substance/mixture : Mixture
 Other means of identification : Not available.

Kit Contents	Known Hazardous Components	CAS-No.	Concentration
10X Assay Wash Buffer	Tween 20 (Not Hazardous)	9005-64-5	1%
	2-Methyl-2H-isothiazol-3-one*	2682-20-4	<0.05%

*ProClin950 contains <10% active ingredient 2-Methyl-2H-isothiazol-3-one (CAS-No. 2682-20-4)

The concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS are present below their cut-off levels. No components need to be disclosed according to the applicable regulations.

Component: ProClin950 (<10% Active ingredient 2-Methyl-2H-isothiazol-3-one)

Classification

Formula	2-Methyl-2H-isothiazol-3-one	Acute Tox. 3; Acute Tox. 2; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Skin Sens. 1A; Aquatic Acute 1;
Cas-No	2682-20-4	Aquatic Chronic 1; H301,H330, H311, H314,
EC-No	220-239-6	H318,H317, H400, H410

Registration-No. 01-2120764690-50-XXXX Concentration limits: $\geq 0.0015\%$: Skin Sens.1A,
H317;M-Factor - Aquatic Acute:
10 - Aquatic Chronic: 1

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information: Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2, section 3 and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing media

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For handling and storage refer to section 7. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 – Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 – Conditions for safe storage, including anything that is incompatible

Keep container tightly closed in a dry and well-ventilated place. Refer to product label.

7.3 – Specific end use(s)

Refer to section 1.2

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

United States of America

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
-	-	-	-

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

European Union

Component	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
-	-	-	-	-

8.2 Exposure controls

Appropriate engineering controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment

Follow usual standard laboratory practices. Use appropriate chemical resistant gloves, appropriate safety glasses and wear protective work clothing.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Hand Protection

Protective gloves (Natural rubber, Nitrile rubber, Neoprene, PVC; Breakthrough time see manufacturers information)

Skin and body protection

Long sleeved clothing

Respiratory protection

When working with concentrations above the exposure limit use engineering controls and air-purifying respirators (full-face particle respirator type N100 (US) or type P3 (EN 143)). Use a full-face supplied air respirator if no engineered controls are utilized. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Prevent leakage or spillage. Discharge into the environment must be avoided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

10X Assay Wash Buffer

IntelliPlex 10X Assay Wash Buffer

Ver.02 11/05/2020

Physical State and Appearance:	Liquid.	Vapor Pressure:	22.66 hPa at 20 °C (68 °F)
Odor:	Mild.	Vapor Density:	Not available.
Taste:	Not available.	Volatility:	Not available.
pH (1% soln/water):	3.0 - 6.0	Odor Threshold:	Not available.
Boiling Point:	100 °C 212 °F	Water/Oil Dist. Coeff.:	Not available.
Melting Point:	-20 - 15 °C (-4 - 59 °F)	Ionicity (in Water):	Not available.
Critical Temperature:	Not available.	Dispersion Properties:	Not available.
Specific Gravity:	Not available.	Solubility:	completely soluble.

9.2 Other safety information

Not available.

SECTION 10: STABILITY AND REACTIVITY DATA

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No data available.
10.4 Conditions to Avoid	No data available.
10.5 Incompatible materials	Strong oxidizing agents, Amines, Mercaptans, Reducing agents.
10.6 Hazardous decomposition products	Hazardous decomposition products formed under fire conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity:	
Ingredients	
ProClin950	No data available
Tween20	LD50 Oral - Rat - 36700 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitisation	
Germ cell mutagenicity:	No data available
Carcinogenic Effects:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproduction Toxicity:	No data available
STOT - Single exposure:	No data available
STOT - Repeated exposure:	No data available
Aspiration hazard:	No data available
Additional Information:	RTECS: Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:	No data available
12.2 Persistence and degradability:	No data available
12.3 Bioaccumulative potential:	No data available
12.4 Mobility in soil:	No data available
12.5 Results of PBT and vPvB assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects: No data available.
Very toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 – UN Number	ADR/ RID/ IATA: Not regulated as a dangerous good
14.2 – Proper shipping name	ADR/ RID/ IATA: Not regulated as a dangerous good
14.3 – Hazard class	ADR/ RID/ IATA: Not regulated as a dangerous good
14.4 – Packing group	ADR/ RID/ IATA: Not regulated as a dangerous good
14.5 – Environmental hazards	ADR/ RID/ IATA/ IMDG: Not regulated as a dangerous good
14.6 – Special precautions for the user	No data available
14.7 – Transport in bulk information	No data available

SECTION 15: OTHER REGULATORY INFORMATION

European Union:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Contains no REACH substances with Annex XVII restrictions. Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

United States of America:

Regulatory Status Classified in accordance with Appendix A, Appendix B and Appendix F of the OSHA Hazard Communication Standard 29 CFR §1910.1200. Regulatory References OSHA Hazard Communication Standard 29 CFR §1910.1200

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De

Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

See section 2 for more information

Clean Water Act/ Clean Air Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act or Clean Air Act.

US State Regulation

State Right to Know:

ProClin950 (CAS-No. 2682-20-4) can be found on the following state Right-to-Know lists: Pennsylvania, Massachusetts, New Jersey, Rhode Island

Tween 20 (Cas-No. 9005-64-5) can be found on the following state Right-to-Know lists: Pennsylvania, Minnesota, Massachusetts, New Jersey, Rhode Island

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3.

EUH071 Corrosive to the respiratory tract.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H331 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

To the best of our knowledge, the information contained herein is accurate and complete. However, we can neither guarantee nor assume any liability whatsoever for the accuracy or completeness of the information contained in this SDS. Final determination of suitability of any material is the sole responsibility of the user, as health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. All materials and mixtures may present unknown hazards and should be used with caution. No warranty is made, either express or implied.

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