

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product Name

Matisse® Brown Buffer

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

Identified uses

For research use only. Not for diagnostic use.

1.3 Details of the supplier of the data sheet

Company

Molecular Instruments, Inc.
5015 Eagle Rock Blvd Suite 301
Los Angeles, CA 90041
+1 626 210 2600

Telephone

SECTION 2. HAZARDS IDENTIFICATION

This safety data sheet complies with the requirements of Regulation EC 1907/2006.

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 Label elements including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. This substance/mixture does not meet the PBT/vPvB criteria for REACH regulation, Annex XIII. The substance/mixture does not contain substance(s) equal to or greater than 0.1% by weight that are present in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Characterization

Not applicable.

3.2 Dangerous Components

This mixture does not contain any substances to be mentioned according to the criteria of Section 3.2 or REACH Annex II.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General information

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation

Allow victim to breathe fresh air. Allow the victim to rest. Get medical attention if symptoms occur.

Ingestion	Rinse mouth. Do not induce vomiting without medical advice. Drink plenty of water. Consult a physician.
Skin Contact	Rinse immediately with plenty of water. Get medical attention if symptoms occur.
Eye Contact	Flush immediately with plenty of water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses if present.

4.2 Most important symptoms and effects, both acute and delayed

General information	Not expected to present a significant hazard under anticipated conditions of normal use.
Inhalation	Prolonged exposure may cause irritation.
Ingestion	Ingestion may cause adverse effects.
Skin Contact	Prolonged exposure may cause skin irritation.
Eye Contact	May cause slight irritation to eyes.
Chronic Symptoms	None expected under normal conditions of use.

4.3 Indication of any immediate medical attention and special treatment needed.

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container at hand.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	Water spray, fog, carbon dioxide (CO ₂), alcohol-resistant foam, or dry chemical.
Unsuitable Extinguishing Media	Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2 Special hazards

Fire Hazard	Not flammable.
Explosion Hazard	Product is not explosive.
Reactivity	Hazardous reactions will not occur under normal conditions.
Hazardous Combustion Products	None known.

5.3 Advice for fire fighters

Precautionary Measures Fire	Exercise caution when fighting any chemical fire.
Firefighting Instructions	Use water spray or fog for cooling exposed containers.
Protection During Firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

5.4 Further information

No data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General	Avoid prolonged contact with eyes, skin, and clothing. Avoid breathing (vapor, mist, spray).
For Non-Emergency Personnel	Use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel.
For Emergency Personnel	Equip cleanup crew with proper protection. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2 Environmental Precautions

Prevent entry to sewers and public waters.

6.3 Methods and material for containment and clean up

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4 Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking, and when leaving work. Avoid prolonged contact with eyes, skin, and clothing. Avoid breathing vapors, mist, spray. Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for safe storage, including any incompatibles

Comply with applicable regulations. Store in accordance with applicable national storage class systems. Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Water reactive materials.

7.3 Specific end use(s)

For research use only.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Exposure controls

Personal Protective Equipment

Wear protective gloves/protective clothing and eye/face protection. Only wear fitting, comfortable, and clean protective clothing. With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory Protection

Hand Protection

Tested protective gloves are to be worn: DIN-/EN-Norms: EN ISO 374.

Eye Protection

Tightly sealed safety glasses.

Skin and Body Protection

Wear suitable protective clothing.

Environmental exposure controls

Refer to Section 6. No further action is necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid.

9.2 Other information

No data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

10.2 Stability

Stable under recommended handling and storage conditions (see Section 7).

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5 Incompatible materials

Strong acids, strong bases, strong oxidizers. Water reactive materials.

10.6 Hazardous decomposition products

None expected under normal conditions of use.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Likely Routes of Exposure	Dermal, Eye Contact, Inhalation, Oral
Acute Toxicity (Oral):	Not classified.
Acute Toxicity (Dermal):	Not classified.
Acute Toxicity (Inhalation):	Not classified.
Skin Corrosion/Irritation	Not classified.
Serious Eye Damage/Irritation	Not classified.
Respiratory or Skin Sensitization	Not classified.
Germ Cell Mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Specific Target Organ Toxicity (Single Exposure)	Not classified.
Specific Target Organ Toxicity (Repeated Exposure)	Not classified.
Aspiration Hazard	Not classified.
<u>Principle Routes of exposure</u>	
<u>Potential Health Effects</u>	
Inhalation	Prolonged exposure may cause irritation.
Ingestion	Ingestion may cause adverse effects.
Skin Contact	Prolonged exposure may cause skin irritation.
Eye Contact	May cause slight irritation to eyes.
Chronic Symptoms	None expected under normal conditions of use.

11.2 Information on other hazards

Based on available data, this substance(s) in this mixture not listed below do(es) not have endocrine disrupting properties with respect to humans as it does not meet the criteria set out in Section A of Regulation (EU) No. 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Hazardous to the Aquatic Environment, Short-Term (Acute)	Not classified.
Hazardous to the Aquatic Environment, Long-Term (Chronic)	Not classified.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulation potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Does not contain any PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XVIII.

12.6 Endocrine disrupting properties

Based on available data, this substance(s) in this mixture not listed below do(es) not have endocrine disrupting properties with respect to humans as it does not meet the criteria set out in Section A of Regulation (EU) No. 2017/2100 and/or the criteria set out in Regulation (EU) 2018/605, or the substance(s) are not required to be disclosed.

12.7 Other adverse effects

Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents/container in accordance with local, regional, national, and international regulations. Avoid release to the environment.

SECTION 14. TRANSPORT INFORMATION

IATA/ADR/DOT-US/IMDG

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	No data available
14.7 Maritime transport in bulk according to IMO instruments	Not applicable

SECTION 15. REGULATORY INFORMATION

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

15.1.1 EU-Regulations

15.1.1.1 REACH Annex XVII Information

Contains no REACH substances with Annex XVII restrictions.

15.1.1.2 REACH Candidate List Information

Contains no substance on the REACH candidate list.

15.1.1.3 POP (2019/1021) – Persistent Organic Pollutants Information

Contains no substance subject to Regulation (EU) No. 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

15.1.1.4 PIC Regulation EU (649/2012) – Export and Import of Hazardous Chemicals Information

Contains no substance subject to Regulation (EU) No. 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous materials.

15.1.1.5 REACH Annex XIV Information

Contains no REACH Annex XIV substances.

15.1.1.6 Substances Depleting the Ozone Layer (1005/2009) Information

No additional information available.

15.1.1.7 EC Inventory Information

No additional information available.

15.1.1.8 Other Information

No additional information available.

15.1.2 National Regulations

No additional information available.

15.1.3 International Inventory Lists

Matisse® Brown Buffer

Listed on the United States TSCA (Toxic Substances Control Act) inventory – Status: Active

Listed on the Canadian DSL (Domestic Substances List)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam – National Chemicals Inventory)

15.2 Chemical safety assessment

No data available.

SECTION 16. OTHER INFORMATION

Other Information

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

Disclaimer

The above information is believed to be correct but shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since Molecular Instruments, Inc. cannot control the actual methods, volumes, or conditions of use, Molecular Instruments, Inc. shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. The information in this safety data sheet (SDS) does not constitute a warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose. See www.hcrimaging.com/legal/terms for our terms of sale.