Tribioscience

Safety Data Sheet
Human IL-10 ELISA

Section 1: Identification

Product name:	Human IL-10 ELISA
Product number:	TBS3226
Identified uses:	Laboratory chemicals, Synthesis of substances.
Company:	Tribioscience 365 San Aleso Ave Sunnyvale, CA 94085
Phone:	408-498-0197
Email:	order@tribioscience.com

Section 2: Hazard(s) Identification

Hazard Classification:

Corrosive to metals (Category 1), H290
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
For the full text of the H-Statements mentioned in this Section, see Section 16.

Signal Word: Warning

Hazard Statements:

H290: May be corrosive to metals.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

Pictogram:

Precautionary Statements:

P234: Keep only in original container.
P264: Wash skin thoroughly after handling.
P280: Wear protective gloves/ eye protection/ face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313: If skin irritation occurs: Get medical advice/ attention.
P337 + P313: If eye irritation persists: Get medical advice/ attention.
P362: Take off contaminated clothing and wash before reuse.
P390: Absorb spillage to prevent material damage.
P406: Store in corrosive resistant container with a resistant inner liner.

Description of other hazards: None

Section 3: Composition/ Information on Ingredients

Chemical Name	CAS#	Concentration (%)
Water	7732-18-5	90.2
Sulfuric acid	7664-93-9	9.8

Section 4: First-Aid Measures

After skin contact: Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.

After eye contact: Flush with copious amounts of water for at least 15 minutes. Consult a doctor.

After inhalation: Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.

After swallowing: Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Unsuitable extinguishing agents: No data available.

Specific hazards arising from chemical: In combustion, may emit toxic fumes.

Special protective equipment for firefighters: Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions: Do not act without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust, or gas.

Measures for environmental protection: Do not let product enter drains.

Measures for cleaning/collecting: Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.

Section 7: Handling and Storage

Handling: Avoid inhalation, contact with eyes, skin, and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

Storage:	Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

Section 8: Exposure Controls/Personal Protection

Engineering controls:	Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.
General protective and hygienic measures:	Wash hands thoroughly after handling chemical products and before eating, smoking, or using the toilet. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Breathing equipment:	If risk assessment indicates necessary, use a suitable respirator.
Protection of hands:	Use appropriate chemical resistant gloves (minimum requirement uses standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.
Eye protection:	Use appropriate safety glasses.

Section 9: Physical and Chemical Properties

Physical state:	Liquid.
Color:	Colorless.
Odor:	Pungent.
Odor threshold:	No data available.
pH:	~1.
Melting point/freezing point:	No data available.
Boiling point/boiling range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability:	No data available.
Upper/lower flammability or explosive limits:	No data available.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	No data available.
Solubility:	Soluble.
Partition coefficient:	No data available.
Auto ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

Section 10: Stability and Reactivity

Reactivity:	Contact with metals produces highly flammable hydrogen gas. Addition of water liberates excessive heat.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions.
Conditions to avoid:	Bases, Halides, Metals, Alkalis, Acetonitrile.
Incompatible materials:	Most metals, oxidizers, reducers, bases, metal carbonates, cyanides, sulfides, carbides, oxides, metal acetylides, hydrides, halogens, organic or combustible materials, perchlorates, acetonitrile, permanganates, alcohols, picrates.
Hazardous decomposition products:	Products formed under fire conditions: Oxides of Sulphur, Hydrogen gas.

Section 11: Toxicological Information

Acute toxicity:	Can cause severe burns upon contact while the vapors or mist are corrosive and can cause severe irritation or damage to the nose, throat, and lungs. Ingestion of this product causes pain, nausea and vomiting and may be fatal if large doses are ingested.
Skin:	Can cause severe burns.
Eye:	Can cause severe burns.
Inhalation:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenic effects:	Data available.
Reproductive toxicity:	No data available.
STOT - single exposure:	No data available.
STOT - repeated exposure:	No data available.
Aspiration hazard:	Can cause severe burns.

Section 12: Ecological Information

Ecotoxicity:	This product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.
Mobility:	No data available.
Biodegradation:	No data available.
Bioaccumulation:	No data available.
Other adverse effects:	No data available.

Section 13: Disposal Considerations

Waste from residues/unused products:	Dispose of waste in accordance to applicable national, regional, or local regulations.
Contaminated packaging:	Dispose in the same manner as unused product.

Section 14: Transport Information

DOT regulations

UN number:	3264
UN shipping name:	Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric acid)
Hazard class:	8
Packing group:	III
Marine pollutant:	No
Transport in bulk:	No data available.
Special precautions:	Does not need to be shipped as hazardous.

Section 15: Regulatory Information

SARA Section 311/312:	Acute Health Hazard, Chronic Health Hazard.
SARA Section 313 (specific toxic chemical listings):	No data available.
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):	Acute Health Hazard, Chronic Health Hazard
TSCA (Toxic Substances Control Act):	On TSCA Inventory

Date of preparation/update:	11/23/20