

Safety Data Sheet

TRS Solution



SECTION 1: Identification of the Substances and the Company/Undertaking

Identification of the Substance or Mixture

Product Name: TRS Solution

Catalog Numbers: 7060A

Company/Undertaking Identification

Ion Biosciences

3055 Hunter Road, Box 3

San Marcos, TX 78666

+1 512.957.9123

24 hour Emergency Response

866.536.0631

301.431.8585

+1 301.431.8585 (Outside the U.S.)

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards Identification

GHS - Classification

Signal word: WARNING

Health Hazards: H319 - Causes serious eye irritation

Physical Hazards: None

Environmental Hazards: None

Hazard statements: None

Precautionary Statements

Prevention: P264 - Wash skin thoroughly after handling, P280 - Wear eye protection/ face protection.

Response: P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/ attention.

Storage: None

Disposal: None

Potential Health Effects

Eyes: Serious eye irritation.

Skin: No information available.

Inhalation: No information available.

Ingestion: No information available.

Specific Effects

Carcinogenic effects: None.

Mutagenic effects: None.

Reproductive toxicity: None.

Sensitization: None.

Target organ effects: No information available.

HMIS

Health	2
Flammability	0
Reactivity	0

SECTION 3: Composition/Information on Ingredients

Handle all chemicals with caution.

Component	CAS-No	EINECS-No	Weight%
Acid Red 27	915-67-3	213-022-2	Withheld

SECTION 4: First Aid Measures

Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: After swallowing: immediately make victim drink water (two glasses at most). Get medical advice/attention if you feel unwell. Rinse mouth.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed: No data available.

Notes to physician: No data available.

Indication of any immediate medical attention and special treatment needed: No data available.

SECTION 5: Firefighting Measures

Extinguishing Media

Suitable extinguishing media: Water spray. Dry chemical. Carbon Dioxide (CO₂) Foam.

Unsuitable extinguishing media: No information available.

Specific hazards arising from the chemical: Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Sodium oxides

Advice for firefighters: Wear self-contained breathing apparatus if possible.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. See Section 8 for more detail.

Environmental precautions: Do not let product enter drains.

Methods and material for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste.

Reference to other sections: See section 8 for more information.

SECTION 7: Handling and Storage

Handling: Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing

Conditions for safe storage, including any incompatibilities: Keep in a dry, cool and well-ventilated place.

Specific end use(s): For research use only.

SECTION 8: Exposure Controls/Personal Protection

Control Parameters

Exposure limits:

OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
None	None	None	None

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Exposure Controls

Personal Protective Equipment: Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Wear suitable chemical-resistant gloves.

Eye protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls: Do not let product enter drains.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties.

Form: Liquid.

Appearance: Deep red solution.

Odor: Odorless.

Odor threshold: No data available.

Boiling point/boiling range: °C No data available; °F No data available.

Melting point/melting range: °C No data available; °F No data available.

Flash point: °C No data available; °F No data available.

Autoignition temperature: °C No data available; °F No data available.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Oxidizing properties: No data available.

Partition coefficient (n-octanol/water): No data available.

Water solubility: 60g/L, 25°C

pH: No data available.

SECTION 10: Stability and Reactivity

Reactivity: No data available.

Stability: Stable under normal conditions.

Materials to avoid: Oxidizing agents.

Possibility of hazardous reactions: Hazardous reaction has not been reported.

Hazardous decomposition products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NO_x), Sulfur oxides.

Polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Strong heating.

SECTION 11: Toxicological Information

Acute Toxicity:

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Acid Red 27	2000mg/kg	No data	No data

Skin: (In vitro) No skin irritation.

Inhalation: No data available.

Ingestion: No data available.

Carcinogenic effects: No data available.

Mutagenic effects: None.

Reproductive toxicity: No data available.

Sensitization: No data available.

Additional Information: RTECS: QJ6550000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Principle Routes of Exposure

Potential Health Effects

Eyes: (In vitro) Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity: Toxicity to algae (356.2 mg/L-72h)

Chronic aquatic toxicity: No information available.

Mobility: No information available.

Biodegradation: Not readily biodegradable.

Bioaccumulation: No information available.

SECTION 13: Disposal Considerations

Waste treatment methods: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique.

Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport Information

IATA/ADR/DOT-US/IMDG: Not Classified as dangerous in the meaning of transport regulations.

Proper shipping name: None.

Hazard class: None.

Subsidiary class: None.

Packing group: None.

UN-No: None.

Environmental hazards: None.

SECTION 15: Regulatory Information

US Federal Regulations

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class: Non-controlled.

SECTION 16: Other Information

For Research Use Only. Not for use in diagnostic procedures.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information 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 the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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