SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION
PRODUCT NAME: RF IgM
PRODUCT USE: Enzyme-linked immunosorbent assay (ELISA) for the qualitative and semi-quantitative detection of antibodies in the diagnosis of autoimmune diseases.
SUPPLIER: Diagnostic Automation/Cortez Diagnostics, Inc.
21250 Califa St. Suite 102 and 116, Woodland Hills, CA 91367 USA
Phone: 818-591-3030
Fax: 818-591-8383

SECTION 2 – HAZARDS IDENTIFICATION
OSHA Hazards
No known OSHA hazards
This product is classified as not dangerous according to directive 1999/45/EC.
GHS Classification
Classification: Regulation (EC) No. 1272/2008[CLP/GHS]
Skin Corrosion/Irritation Category 1
Eye Irritation Category 1

Signal Wording: Danger
Hazard statements:
H314 Causes severe skin burns and eye damage.
Precautionary statements:
P260 Do not breathe mist, vapors, or spray
P264 Wash exposed skin thoroughly after handling
P280 Wear protective gloves, protective clothing, eye protection, face protection
P301+P330+P311 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P330 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 IF INHALED: Remove person to fresh air and keep 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
P310 Immediately call a POISON CENTER or Doctor
P363 Wash contaminated clothing before reuse
P405 Store locked up
P501 Dispose of contents/container to comply with local, state and federal regulations
Other hazards: None

SECTION 3 – INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Description: DADO</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Index No.</th>
<th>Content</th>
<th>Applies to the following</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide</td>
<td>26628-22-8</td>
<td>247-852-1</td>
<td>011-004-00-7</td>
<td>&lt;0.1%</td>
<td>Positive control</td>
</tr>
<tr>
<td>Human Serum</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Positive control</td>
</tr>
<tr>
<td>Triton X-100</td>
<td>9002-95-5</td>
<td>N/A</td>
<td>N/A</td>
<td>≤10%</td>
<td>2306-1 Wash buffer</td>
</tr>
<tr>
<td>Tris (H₂SO₄) (1.5%</td>
<td>5827-17-7</td>
<td>259-566-4</td>
<td>N/A</td>
<td>≤0.2%</td>
<td>Enzyme Substrate</td>
</tr>
<tr>
<td>5% Tris (H₂SO₄)</td>
<td>7661-95-9</td>
<td>231-439-5</td>
<td>016-030-00-8</td>
<td>2.3%</td>
<td>Stop solution</td>
</tr>
</tbody>
</table>

SECTION 4 – FIRST AID MEASURES
IF IN EYES: Flush with copious amounts of water for 15 minutes; contact a physician.
IF ON SKIN (or hair): Wash well with mild soap and water. Remove contaminated clothing. Flush skin surface with additional water.
IF INHALED: Remove victim to fresh air. Seek medical attention if victim is feeling unwell.
IF SWALLOWED: Flush mouth with plenty of water (do not swallow rinse water). Give plenty of water to drink. Obtain medical attention.
Potential Acute/delayed health effects:
Eye Contact: May cause temporary eye irritation.
Skin Contact: Prolonged skin contact may cause redness and irritation.
Inhalation: May cause coughing or mild irritation.
Ingestion: May cause discomfort if swallowed.
Notes to physician: Consult a physician. Show this safety data sheet to the doctor in attendance.

SECTION 5 – FIRE FIGHTING MEASURES
Non-flammable preparation.
Extinguishing media: Use media in adaption to materials stored in the immediate neighborhood, such as dry chemical.
Special firefighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES
Person-related safety precautions: Use appropriate personnel protective equipment to prevent contamination of skin, eyes, and personal clothing.
Measures for environmental protection: Keep away from drains.
Measures for containment and cleaning: Absorb spill with inert material (ex. vermiculite, sand or earth), then place in suitable container.
Provide ventilation. Do not expose spill to water. Do not let enter the environment.

SECTION 7 – HANDLING and STORAGE
Precautions for safe handling: Do not ingest. Do not breathe gas/fumes/vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.
Avoid contact with skin and eyes. Keep away from incompatibles, such as
SECTION 8 – EXPOSURE CONTROLS and PERSONAL PROTECTION
Control parameters: Contains no substances with occupational control limit values
Appropriate engineering controls: Use with adequate ventilation including local extraction. Ensure that eyewash stations and safety showers are close to the workstation location.
Individual protection 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 using.
Eye/face protection: Wear approved safety goggles
Skin/hand protection: Handle with protective gloves, rubber or plastic.
Incompatible materials: Sensitive to heat (do not heat over 270° C), strong oxidizing agents, strong bases, heavy metals.
Hazardous decomposition products: Nitrogen Oxides; Reacts with protic solvents (water, alcohols, amines, etc.) to release toxic hydrazoic acid.
Decomposition temperature: Not available
Auto igniting: Not available
Partition coefficient: not available
Hazardous polymerization: Will not occur.

SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES
Appearance:
Sample diluent: Clear liquid (may be one of various colors depending on specific product)
Calibrator: Clear liquid (may be one of various colors depending on specific product)
Positive control: Clear liquid (may be one of various colors depending on specific product)
Negative control: Clear liquid (may be one of various colors depending on specific product)
Conjugate: Clear liquid (may be one of various colors depending on specific product)
Wash buffer: White powder
Enzyme Substrate: Clear liquid (may be slightly yellow in color)
Stop Solution: Clear

SECTION 10 – STABILITY and REACTIVITY
Reactivity: Reacts with protic solvents (water, alcohols, amines, etc.) to release hazardous acid.
Chemical Stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: Sodium azide may react with lead and copper plumbing to form highly explosive metal azides; flush with copious water when pouring dilute solutions down the drain to prevent azide buildup.
Incompatible materials: Sensitive to heat (do not heat over 270° C), strong acids, strong oxidizing agents, strong bases, heavy metals.
Hazardous decomposition products: Nitrogen Oxides; Reacts with protic solvents (water, alcohols, amines, etc.) to release toxic hydrazoic acid.
Hazardous polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION
Acute toxicity: May cause nausea, headache, and vomiting
Skin corrosion/irritation: May cause skin irritation
Serious eye damage/irritation: May cause eye irritation
Respiratory or skin sensitization: May be irritating to mucous membranes and upper respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema.
Germ Cell mutagenicity: No data available
Carcinogenicity: No data available
Reproductive toxicity: No data available
Specific target organ toxicity (STOT)- single exposure: No data available
Specific target organ toxicity (STOT)- repeated exposure: Nerves, heart, brain
Information on likely routes of exposure: Routes of entry anticipated; oral, dermal, inhalation
Symptoms related to the physical, chemical and toxicological characteristics:
Inhalation: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.
Skin contact: May be harmful if absorbed through skin.
Eye contact: May cause eye irritation
Delayed and immediate effects and also chronic effects from short and long term exposure:
Short term exposure: Potential immediate effects: Not available. Potential long term effects: Not available
Effects of chronic exposure: Repeated skin contact with this product may lead to dermatitis while repeated inhalation may cause damage to the mucous membranes and upper respiratory tract, nerves, and brain.
Numerical measures of toxicity: Not available
Other information: Not available

SECTION 12 – ECOLOGICAL INFORMATION
Ecotoxicity: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

SECTION 13 – DISPOSAL CONSIDERATIONS
Disposal methods: Dispose of waste in accordance to applicable national, regional, or local regulations
Contaminated packaging: Dispose in the same manner as unused product
Special precautions: Dispose of small amounts of spilled material as described in section 6. Large spills must be dealt with separately by qualified disposal personnel. Avoid dispersal of spilt material to soil, waterways, drains and sewers.

SECTION 14 – TRANSPORT INFORMATION
DOT (US): Not dangerous goods.
IMDG: Not dangerous goods
IATA: Not dangerous goods.
Transport/Additional Information: Transport in accordance with local, state, and federal regulations.

SECTION 15 – REGULATIONS
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV:
List of substances subject to authorization Substances of very high concern: None of the components are listed
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures are articles:
Not applicable
US Toxic Substances Control Act: On TSCA Inventory
SARA 313 Components: Not listed
SARA 311/312 Hazards: Not available
CERCLA Reportable Quantity: Not available
California Prop. 65: Not listed

SECTION 16 – OTHER INFORMATION
Symbols and indication of danger:

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.