Section 1. Identification of Product and Company

**Supplier**
ADA
8051 E. Maplewood, Suite 210
Greenwood Village, CO 80111-4742
Telephone Number: 888-843-8416

**Distributed By**
ADA
8051 E. Maplewood, Suite 210
Greenwood Village, CO 80111-4742
Telephone Number: 888-843-8416

**Supplier Emergency Contacts & Phone Number**
CHEMTREC: 800-424-9300

**Product Name**
M-Prove™

**CAS Number**
N/A

**Product/Material Uses**
Mercury Oxidation Chemical

Section 2. Hazard(s) Identification

**GHS Classification**

**OSHA/HCS Status**
This product is not considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200); irritant.

**Hazard and Precautionary Statements**

- **H320:** Causes eye irritation
- **H316:** Causes mild skin irritation.
- **H303:** May be harmful if swallowed.
- **P280:** Wear protective gloves/clothing/eye

**Primary Routes of Entry**

**Inhalation**
May cause respiratory irritation to mucous membranes and lung tissue. Not expected to present an inhalation hazard.

**Skin Hazards**
May cause skin irritation especially on repeated or prolonged contact.

**Eye Hazards**
Liquid, aerosols, vapors of the product may be irritating.

**Ingestion Hazards**
May be harmful if swallowed. Humans are more prone to nitrate and nitrite poisoning. This

**Carcinogenicity**
See Section 11 for additional information.
Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Percent of Total Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Trade Secret</td>
<td>Not given</td>
<td>≤60% w/w</td>
</tr>
<tr>
<td>Water</td>
<td>N/A</td>
<td>Balance</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

Eye Contact
Immediately flush eyes with plenty of water for at least 20 minutes while holding eyelids open. Remove contacts and continue rinsing. Get medical attention, if irritation persists.

Skin Contact
Remove contaminated clothing. Wash exposed area thoroughly with soap and water at least 20 minutes. Get medical attention if irritation develops or persists. Wash clothing before reuse.

Inhalation
Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Get immediate medical attention.

Ingestion
Wash mouth thoroughly with plenty of water if safe to do so. Do not induce vomiting or give anything by mouth to an unconscious person. Seek prompt medical attention.

Section 5. Fire-Fighting Measures

Fire and Explosion Hazards
Flash Point: N/A
Auto Ignition Temperature: N/A
Special Hazards: The material will decompose slowly from 700°C, releasing poisonous and corrosive halide fumes. Material will boil (water solution) and crystalize prior to decomposition process starting at 700°C.

Extinguishing Media
Use extinguishing media suitable for surrounding combustibles. Cool closed containers with water spray. Firefighters should wear self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions
Use personal protective equipment recommended in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions
Use personal protective equipment recommended in Section 8.
In case of spill, leak or release

See Section 13.

Section 7. Handling and Storage

Handling Precautions
Avoid contact with skin and eyes. Use appropriate personal protective equipment (PPE) referenced in Section 8. Avoid inhalation of vapors or mist.

Storage Precautions
Keep containers closed when not in use. Store in cool, dry, well-ventilated place away from incompatible materials. Protect from heat, light and moisture

Work/Hygienic Practices
Wash thoroughly with soap and water after handling. Do not use waterless hand cleaners.

Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>ACHIG TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Trade Secret</td>
<td>Not established for any chemical present</td>
<td>Not established for any chemical present</td>
</tr>
<tr>
<td>Engineering Measures</td>
<td>Use adequate ventilation from mechanical source to control airborne dust exposure.</td>
<td></td>
</tr>
<tr>
<td>Hygiene Measures</td>
<td>Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Do not eat, smoke, or drink where material is handled processed or stored.</td>
<td></td>
</tr>
<tr>
<td>Respiratory</td>
<td>During normal use, no respirator protection is required as local ventilation is normally acceptable. In the event of a large spill (more than 100 gallons) wearing a NIOSH/MSHA approved respirator with a HEPA cartridge or equivalent when exposed to chemical is recommended.</td>
<td></td>
</tr>
<tr>
<td>Eyes and Face</td>
<td>Wear safety glasses with side shields (or goggles) and a face shield, when exposed to chemical.</td>
<td></td>
</tr>
</tbody>
</table>

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Orange to brown liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH</td>
<td>7-11</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Vapor Density (air = 1)</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation rate (butyl acetate = 1)</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Boiling Point (°C)  130°C
Melting Point (°C)  N/A
Flash Point  Non-flammable
Explosive Properties  Non-explosive
Freezing Point (°F)  N/A
Crystallization Temperature  0°F
Specific Gravity (H₂O = 1 @ 70 °F)  1.54
Vapor Pressure  14mmHg at 20°C
Volatile Organic (VOC) Content  N/A

Section 10. Stability and Reactivity

Conditions to Avoid  High heat and oxidizing agents.
Incompatibility  High heat, oxidizing agents and strong acids.
Decomposition Products  May release toxic and corrosive halide fumes.

Section 11. Toxicological Information

Note: The toxicological information date presented are the result of studies conducted on the main active ingredient.

| *Trade Secret | LD50 (oral, rat) | >1852 mg/kg |

Section 12. Ecological Information

Aquatic Toxicity  N/A
Persistence/Degradation  Biodegradation is not relevant for inorganic salts.
Bioaccumulation  Not expected to bioaccumulate.
Mobility in Soil  Expected to be mobile in soil.
Section 13. Disposal Considerations

Waste Disposal
Disposing of in a permitted waste management facility following all local, state, and federal regulations. Dry material may be placed in appropriate containers and disposed of in accordance with applicable governmental regulations.

Section 14. Transport Information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

<table>
<thead>
<tr>
<th>Americas Region</th>
<th>Not classified as hazardous by DOT for ground shipping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Not classified</td>
</tr>
<tr>
<td>U.N. Number</td>
<td>Not classified as hazardous</td>
</tr>
<tr>
<td>Ocean</td>
<td>Follow IMO International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>Air</td>
<td>Follow IATA Dangerous Goods Regulation</td>
</tr>
</tbody>
</table>

Section 15. Regulatory Information

<table>
<thead>
<tr>
<th>CERCLA sec. 103 RQ#</th>
<th>NO</th>
<th>EHS 302 TPQ</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>RCRA Sec. 262.33</td>
<td>NO</td>
<td>TSCA Listed?</td>
<td>YES</td>
</tr>
<tr>
<td>SARA Sec. 261.33 RQ#</td>
<td>NO</td>
<td>EPA Special Hazard</td>
<td>NO</td>
</tr>
<tr>
<td>SARA 312 Name List</td>
<td>NO</td>
<td>CA Prop 65</td>
<td>NO</td>
</tr>
<tr>
<td>SARA 313 Name List</td>
<td>NO</td>
<td>REACH Listed?</td>
<td>NO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SARA Section 312 Hazardous Categories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute) Health Hazard</td>
</tr>
<tr>
<td>Delayed (chronic) Health Hazard</td>
</tr>
<tr>
<td>Fire Hazard</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
</tr>
</tbody>
</table>

SECTION 16. Other Information

Occupational Safety & Health Administration (OSHA) CFR 1910.1200 Appendix E - Definition of Trade Secret, establishes criteria to be used in evaluating trade secrets.

*Trade secret means any confidential formula, pattern, process, device, information or compilation of information that is used in an employer's business, and that gives the employer an opportunity to obtain an advantage over competitors who do not know or use it.

NFPA Rating
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