



## SAFETY DATA SHEET

### Metal Rescue Gel

#### 1. IDENTIFICATION

**Product Identifier**

**Product Name** Metal Rescue Gel

**Other means of identification**

**SDS #** APPAC-006

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Water based rust removing gel.

**Details of the supplier of the safety data sheet****Supplier Address**

Armor Protective Packaging  
1551 North Burkhart Rd  
Howell, MI 48855

**Emergency Telephone Number****Company Phone Number**

Phone: 1-517-546-1117

Fax: 1-517-546-6434

**Emergency Telephone (24 hr)**

INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

#### 2. HAZARDS IDENTIFICATION

**Appearance** Clear gel

**Physical state** Solid

**Odor** Citrus

**Classification**

Serious eye damage/eye irritation

Category 2

**Signal Word**

Warning

**Hazard statements**

Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

**Precautionary Statements - Response**

IF IN EYES: 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

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name | CAS No.     | Weight-% |
|---------------|-------------|----------|
| Proprietary   | Proprietary | 20-30    |
| Proprietary   | Proprietary | 1-10     |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. \*\*

**4. FIRST AID MEASURES****First Aid Measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | 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. |
| <b>Skin Contact</b> | Wash off immediately with plenty of water for at least 15 minutes.   |
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water.   |

**Most important symptoms and effects**

|                 |                                |
|-----------------|--------------------------------|
| <b>Symptoms</b> | Causes serious eye irritation. |
|-----------------|--------------------------------|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

|                             |  |
|-----------------------------|--|
| <b>Personal Precautions</b> | Use personal protective equipment as required. |
|-----------------------------|--|

**Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|---|

**Methods and material for containment and cleaning up**

|                                |   |
|--------------------------------|---|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

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**Methods for Clean-Up**

Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling**

Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials**

None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

| Chemical Name | ACGIH TLV                | OSHA PEL                       | NIOSH IDLH |
|---------------|--------------------------|--------------------------------|------------|
| Proprietary   | -                        | 15 mg / m <sup>3</sup> (Total) | -          |
| Proprietary   | TWA: 5 mg/m <sup>3</sup> | -                              | -          |

**Appropriate engineering controls****Engineering Controls**

Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection**

Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection**

Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Physical state**

Solid

**Appearance**

Clear gel

**Color**

Colorless

**Odor**

Citrus

**Odor Threshold**

Not determined

**Property****Values****Remarks • Method****pH**

2.8-3.3

**Melting Point/Freezing Point**

Not determined

**Boiling Point/Boiling Range**

Not determined

**Flash Point**

Not determined

**Evaporation Rate**

Not determined

**Flammability (Solid, Gas)**

Not determined

**Flammability Limits in Air****Upper Flammability Limits**

Not determined

**Lower Flammability Limit**

Not determined

**Vapor Pressure**

Not determined

**Vapor Density**

Not determined

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| <u>Property</u>              | <u>Values</u>    | <u>Remarks • Method</u> |
|------------------------------|------------------|-------------------------|
| Relative Density             | 1.14-1.24        |                         |
| Water Solubility             | Soluble in water |                         |
| Solubility in other solvents | Not determined   |                         |
| Partition Coefficient        | Not determined   |                         |
| Auto-ignition Temperature    | Not determined   |                         |
| Decomposition Temperature    | Not determined   |                         |
| Kinematic Viscosity          | Not determined   |                         |
| Dynamic Viscosity            | Not determined   |                         |
| Explosive Properties         | Not determined   |                         |
| Oxidizing Properties         | Not determined   |                         |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                                |
|---------------------|--------------------------------|
| <b>Eye Contact</b>  | Causes serious eye irritation. |
| <b>Skin Contact</b> | Avoid contact with skin.       |
| <b>Inhalation</b>   | Do not inhale.                 |
| <b>Ingestion</b>    | Do not ingest.                 |

### Component Information

| Chemical Name | Oral LD50                         | Dermal LD50                          | Inhalation LC50 |
|---------------|-----------------------------------|--------------------------------------|-----------------|
| Proprietary   | = 3 g/kg (Rat) = 3000 mg/kg (Rat) | -                                    | -               |
| Proprietary   | = 4190 mg/kg (Rat)                | > 20 mL/kg (Rabbit) > 16 mL/kg (Rat) | -               |
| Proprietary   | = 2100 mg/kg (Rat)                | -                                    | -               |
| Proprietary   | > 5 g/kg (Rat)                    | > 5 g/kg (Rabbit)                    | -               |

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**Information on physical, chemical and toxicological effects****Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical Name | ACGIH | IARC    | NTP | OSHA |
|---------------|-------|---------|-----|------|
| Proprietary   |       | Group 3 |     |      |

**Legend***IARC (International Agency for Research on Cancer)**Group 3 IARC components are "not classifiable as human carcinogens"***Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 11,438.00 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

| Chemical Name | Algae/aquatic plants  | Fish  | Crustacea                                 |
|---------------|---|---|---|
| Proprietary   |   | 1516: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static  | 120: 72 h <i>Daphnia magna</i> mg/L EC50  |
| Proprietary   | 169: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 216: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 450 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 1000: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10600 - 13000: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through | 1386: 24 h <i>Daphnia magna</i> mg/L EC50 |
| Proprietary   |   | 3.2: 96 h <i>Pimephales promelas</i> mg/L LC50  | 3.2: 48 h water flea mg/L EC50            |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

| Chemical Name | Partition Coefficient |
|---------------|-----------------------|
| Proprietary   | -1.72                 |
| Proprietary   | -2.53                 |

**Other Adverse Effects**

Not determined

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### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

##### Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

##### Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

#### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

#### DOT

Not regulated

#### IATA

Not regulated

#### IMDG

Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/E LINC | ENCS    | IECSC | KECL    | PICCS | AICS |
|---------------|------|----------|---------------|---------|-------|---------|-------|------|
| Proprietary   | X    | X        | X             | Present | X     | Present | X     | X    |
| Proprietary   | X    | X        | X             | Present | X     | Present | X     | X    |
| Proprietary   | X    | X        |               | Present | X     |         | X     | X    |
| Proprietary   | X    | X        |               |         | X     | Present | X     | X    |
| Proprietary   | X    | X        |               |         | X     | Present | X     | X    |

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINC - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

#### US Federal Regulations

##### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

##### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Proprietary   | X          | X             | X            |

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical hazards**

Not determined

**Personal Protection**

Not determined

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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