

**SAFETY DATA SHEET****1. PRODUCT AND COMPANY IDENTIFICATION**

Product Identity: Vigor 53® Systemic
Synonym: None
Product Use: Plant fertilizer for tree injection only
Product Type: Liquid
Company Name: J. J. MAUGET COMPANY
Company Address: 5435 PECK ROAD
ARCADIA, CA 91006-5847
Tel: 626-444-1057
Fax: 626-444-7414
Emergency Contact: INFOTRAC 1-800-535-5053
911

2. HAZARDS IDENTIFICATION

Contact with eyes or skin may cause irritation. May be harmful if swallowed.
HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. |
|---------------------|----------------|
| Phosphorous acid | 10294-56-1 |
| Potassium hydroxide | 1310-58-3 |

4. FIRST AID MEASURES

Inhalation: Remove from source of exposure. Get medical attention if necessary.
Skin contact: Wash thoroughly with soap and water. Get medical attention if necessary.
Eye contact: Wash eyes with plenty of water for at least 15 minutes. Be sure to remove contact lenses. Get medical attention if necessary.
Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Get medical attention if necessary.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

Water spray, dry chemical, carbon dioxide, foam

Special hazards arising from the substance or mixture

Not available

Protection for firefighters

Wear protective clothing and equipment

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

Wear protective clothing, gloves, and safety eye goggles.

Environmental precautions

Not available

Methods and material for containment and cleaning up

Contain all spills and leaks to prevent discharge into the environment. Use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid overheating or freezing

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

Specific end use(s)

Not available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection

Eye protection: Eye protection is not required. To avoid contact with eyes, use safety eye goggles.

Skin protection: Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves.

Respiratory protection: Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|------------------------------|------------------|
| Appearance | Clear, colorless |
| Odor | Slight odor |
| pH | 6.3 |
| Melting point/freezing point | Not available |
| Boiling point | 100OC/212OF |
| Flash point | Not available |
| Evaporation rate | Not available |
| Flammability | Not available |
| Explosive limits | Not available |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Relative density | 1.46 g/cc |
| Solubility | Soluble |
| Partition coefficient | Not available |
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| Viscosity | Not available |
| Explosive properties | Non explosive |
| Oxidizing properties | Not available |

10. STABILITY AND REACTIVITY

Reactivity

Not available

Chemical stability

Product is stable.

Possibility of hazardous reactions

Under normal conditions, hazardous reaction will not occur.

Conditions to avoid

Avoid heat

Incompatible materials

Strong oxidizers, calcium fertilizer, water reactive materials and products containing copper.

Hazardous decomposition products

Phosphorous oxides, phosphine

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Not available

Irritation: Not available

Corrosivity: Not available

Sensitization: Not available

Dose toxicity: Not available

Carcinogenicity: Not available

Mutagenicity: Not available

Reproductive toxicity: Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not available

Persistence and degradability

Not available

Bioaccumulative potential

Not available

Mobility in soil

Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Not hazardous waste. Dispose of product in accordance with regulations.

14. TRANSPORT INFORMATION

UN number: Not available

UN proper shipping name: Not available

Transport hazard class(es): Not available

Packing group: Not available

Environmental hazards: Not available

Special precautions for user: Not available

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the product
Not available

16. OTHER INFORMATION

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