

According to EC Regulation 1907/2006/EC

Resistim UK

Revision Date 18-Jan-2010

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

| | |
|---|--|
| Product Name | Resistim UK |
| Company/Undertaking Identification Address | Taminco BVBA Pantserschipstraat 207 9000 GENT BELGIUM |
| Telephone | (+32) 9 254 14 11 |
| Telefax | (+32) 9 254 14 10 |
| Emergency Telephone Number | (+32)9 254 10 36 |
| E-mail address | MSDS_ASC@taminco.com |
| Use of the Substance/Preparation | Foliar fertilizer |

2. HAZARDS IDENTIFICATION

Most Important Hazards

- aqueous solution
- Incompatible with strong acids and oxidizing agents
- May cause eye/skin irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Haz/Non-haz

| Chemical Name | CAS-No | Weight % | EINECS | Classification |
|---------------------|------------|----------|-----------|----------------|
| Potassium phosphite | 13492-26-7 | 15-35 | 236-809-2 | - |

4. FIRST AID MEASURES

General Advice

- If symptoms persist, call a physician
- Show this safety data sheet to the doctor in attendance

Inhalation

- Move to fresh air

Eye Contact

- Contact with eyes may cause irritation
- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

Skin Contact

- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Ingestion

- Clean mouth with water and afterwards drink plenty of water
- Do not induce vomiting
- If a person vomits when lying on his back, place him in the recovery position
- Keep at rest
- Obtain medical attention

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- foam
- water spray
- carbon dioxide (CO₂)
- or
- Dry powder

Extinguishing media which must not be used for safety reasons

- No information available

Specific methods

- If without risk, remove unopened packages from exposure to fire
- Use water spray to cool unopened containers

Special protective equipment for fire-fighters

- Fire-fighting measures
- Personal protection through wearing a tightly closed chemical protection suit and a self-contained breathing apparatus

Specific hazards

- In case of fire hazardous decomposition products may be produced such as
- Flammable gases
- Hydrogen

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Wear suitable protective equipment
- When using, do not eat, drink or smoke
- Avoid contact with the skin and the eyes
- Ensure adequate ventilation

Environmental Precautions

- Prevent further leakage or spillage
- Prevent product from entering drains

Methods for Clean-up

- Flush with plenty of water
- Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container
- Evacuate personnel to safe areas

7. HANDLING AND STORAGE

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Storage

- Technical measures/Precautions**
- Keep container tightly closed
 - Store in original container
 - Specified Class 1 Substances PRTR

- Incompatible products**
- Do not store near acids
 - Do not store together with oxidizing agents

Handling

- Safe Handling Advice**
- Handle in accordance with good industrial hygiene and safety practice
 - SY1 - Wear overall, boots and gloves while handling or applying the product
 - SY8 - Wash your hands and uncovered parts of the body before eating, drinking or smoking and after spraying

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure controls

Exposure limits

| Chemical Name | GOEL | ACGIH TLV |
|---------------------|------------|------------|
| Potassium phosphite | Not listed | Not listed |

Personal Protective Equipment

- Eye/face Protection**
- Chemical resistant goggles must be worn
- Hand Protection**
- Rubber gloves
 - PVC disposable gloves
- Respiratory Protection**
- No special precautions required
- Skin Protection**
- SY1 - Wear overall, boots and gloves while handling or applying the product
- Environmental exposure controls**
- Local authorities should be advised if significant spillages cannot be contained

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

| | |
|-----------------------|-------------------|
| Physical State | Aqueous Liquid |
| Color | Colorless |
| Odor | mild |

Important Health Safety and Environmental Information

| | |
|----------------------------|-------------------|
| Boiling Point/Range | No data available |
| Flash Point | No data available |
| Viscosity | Not applicable |
| Vapor Pressure | No data available |

| | |
|---------------------------------|-------------------|
| pH | 7.0 |
| Water solubility | Soluble |
| Melting Point/Range | Not applicable |
| Density | 1.18 @ 16 °C |
| Autoignition Temperature | No data available |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to Avoid | <ul style="list-style-type: none">• Stable under normal conditions |
| Materials to avoid | <ul style="list-style-type: none">• S14 - Keep away from strong oxidizing agents |
| Hazardous Decomposition Products | <ul style="list-style-type: none">• Hydrogen• flammable materials• Thermal decomposition• Above 200°C, hazardous fumes may be released |

11. TOXICOLOGICAL INFORMATION

Product Information

LD50/oral/rat = > 2000 mg/kg

| | |
|------------------------------|---------------------------------|
| Eye irritation | Mild eye irritation |
| Skin irritation | Mild skin irritation |
| Mutagenic Effects | Not reported to be mutagenic |
| Reproductive toxicity | Not reported to be reprotoxic |
| Carcinogenic effects | Not reported to be carcinogenic |

Human experience

Human experience May cause headache and dizziness
vomiting

12. ECOLOGICAL INFORMATION

Ecotoxicity

| | |
|-----------------------------|----------------------------|
| Toxicity to fish | No information available |
| Toxicity to daphnia | No information available |
| Toxicity to algae | No information available |
| Toxicity to bacteria | - No information available |

Mobility

No information available

Persistence/Degradability

Bioaccumulative Potential

Plant nutrient

13. DISPOSAL CONSIDERATIONS

- Waste from Residues / Unused Products**
- Small amounts
 - Flush with plenty of water
 - Large amounts:
 - Dispose of in accordance with local regulations
- Contaminated Packaging**
- In accordance with local and national regulations
 - Clean container with water

14. TRANSPORT INFORMATION

Road transport

not regulated

Sea transport

not regulated

Air transport

not regulated

15. REGULATORY INFORMATION

- S -phrase(s)**
- S14 - Keep away from .?
 - oxidizing agents
 - S18 - Handle and open container with care
 - S37 - Wear suitable gloves
 - S39 - Wear eye/face protection
 - Rinse empty containers with water and use the rinse-water to prepare the working solution

International Inventories

| Chemical Name | TSCA | EINECS | DSL | ENCS | AICS |
|---------------------|------|-----------|---------------|---------|---------|
| Potassium phosphite | X | 236-809-2 | NDSL - Listed | (1)-707 | Listed. |

16. OTHER INFORMATION

Literary Reference

Literary Reference
 -IUCAL CD-ROM, 2000
 -TOMES on line

Further information for the safety data sheet

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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.