

MATERIAL SAFETY DATA SHEET

Version 2
Revision Date 06/04/2024
Review Date: 01/01/2027

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Information

Product Name: Chemjet Phosphite
Company Name: Chemjet Tree Injectors Ltd
Address: Carol Cottage, Truggist Lane, Berkswell, CV7 7BX
Telephone: +44 7973501417

Usage Chemjet recommends diluting the solution 5 to 1 with water when used with the Chemjet Tree Injector

2. COMPOSITION / INFORMATION ON INGREDIENTS

Information on ingredients

AQUEOUS POTASSIUM PHOSPHITE SALTS (in equal quantities)

Mono-potassium phosphonate CAS No: 13977-65-6

Di-potassium phosphonate CAS 13495-26-7

Synonym: Potassium phosphonate

3. HAZARDS IDENTIFICATION This is a non-volatile aqueous fertiliser product.

It can react with strong oxidising agents.

May cause irritation to eye, mouth and upper digestive tract.

4. FIRST AID MEASURES

Eye Contact .

Mild irritant to eyes. Rinse with plenty of water immediately

Skin contact

Seek medical advice if necessary.

Mild irritant to skin. Wash off with plenty of water.

Ingestion

Do not induce vomiting. Drink plenty of water.

5. FIRE-FIGHTING MEASURES

The product is not combustible.

Extinguishing media to be governed by other materials present in the surroundings.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Contain spilled liquid with sand or earth to prevent run-off or release to water courses.

After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Safe handling advice

Take necessary cautions when lifting.

Protection against fire and explosion

No special precautions required.

Storage

Store under ambient conditions and out of direct sunlight.

Ensure label on bottle remains intact and legible.

Isolate from oxidising agents.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Personal protective equipment

Respiratory protection Not applicable

Hand protection

Recommendation Use suitable protective gloves
Glove material Butyl-rubber, PVC, Natural rubber (NR),
Polychloroprene with natural-latex liner.

Material thickness 0.5 mm

Break through time > 480 min

Method DIN EN 374

Glove material Nitrile rubber, fluorinated rubber

Material thickness 0.35 - 0.4 mm

Break through time > 480 min

Method Source: KCL GmbH

Eye protection

Safety goggles.

Hygiene measures

Do not wear contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form Aqueous solution
Colour Colourless
Odour None

Safety data

pH 6.5 at 20°C
Thermal decomposition Above 200°C
Flash Point Non-combustible
Freezing point Minus 22°C
Vapour pressure Less than 20mm Hg at 20°
Ignition temperature Not applicable
Density 1.35 g/cm³ (20 °C)
Water solubility Infinitely soluble in water

10. STABILITY AND REACTIVITY

Thermal decomposition Above 200°C releases flammable hydrogen gas.

Hazardous reactions Strong reducing agent. Reacts with oxidising agents.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity LD50 rat: > 2,000 mg/kg
Skin irritation (OECD 404) Non irritant (index 0)
Eye irritation (OECD 405) Non irritant (max group score 2.7)

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12. ECOLOGICAL INFORMATION

No specific data available. Considered by the US EPA to be GRAS (Generally Regarded As Safe). In the aqueous environment it is expected to oxidise to inorganic potash and phosphate, plant nutrients.

13. DISPOSAL CONSIDERATIONS

With respect to local regulations, e.g. deposit in a suitable landfill site

Product

A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. In agreement with the waste code must be determined regional waste disposal authority or company.

14. TRANSPORT INFORMATION

Not classified as dangerous for purpose of air, road, rail or sea transport regulations.

15. REGULATORY INFORMATION

Labelling according to EEC Directive 67/548/

Not subject to labelling provisions by Directive EEC.

National legislation

16. OTHER INFORMATION

Risk phrases No R- or S- risk phrases required.

Further information Keep out of reach of children.

Chemjet Phosphite is an aqueous fertiliser salt containing potassium phosphite intended solely for use as a plant nutrient, and should not be used for any other purpose.

This version replaces all previous versions.

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 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.