



PRODUCT SAFETY DATA SHEET
(According to Regulation (EC) No. 453/2010)

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Trade Name : T1701

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Oil Additive

Recommended restrictions on use : At this time we do not have information on restrictions. They will be included when available.

1.3 Details of the supplier of the safety data sheet

Company : Unit 7 Clovelly Business Park, Clovelly Road, Southbourne Industrial Estate, Southbourne, Emsworth, Hampshire PO10 8PE

1.4 Emergency telephone number

Emergency phone number : (Office hours only): 01405 768815

2. Hazards Identification.

2.1 Classification of the substance or mixture

Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger : None
Risk Phrases : None

Classification according to Regulation (EC) No 1272/2008

Refer to Section 16.

For the wording of the listed R phrases or H statements, refer to section 16.

2.2 Label elements

Labelling according to EU Directive 1999/45/EC

Risk Phrases : R52/53: Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Safety Phrases : S61: Avoid release to the environment. Refer to special instructions/safety data sheet

Labelling according to Regulation (EC) No 1272/2008

Refer to Section 16.

2.3 Other hazards

No other information is available

3. Composition/Information on Ingredients.

3.2 Mixtures

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Zinc Alkyl Dithiophosphate	EC – 272-028-3 CAS – 68649-42-3	Irritant R36/38 Dangerous for the environment R51/53	Eye Irritation 2 H319 Skin Irritation 2 H315 Aqua Chronic 2 H411	5-10%

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Calcium Sulphonate	EC – 271-877-7 CAS – 68610-84-4	Irritant R38		Skin Irritation 2 H315		1-5%	
Calcium Sulphonate	EC – 290-636-7 CAS – 90194-27-7	Irritant R38		Skin Irritation 2 H315		1-5%	

For the wording of the listed R phrases or H statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

Eye Contact: Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Milk or water to drink may be beneficial. Do not induce vomiting. Call for medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire Fighting Measures:

5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, fine water spray suitable.

Unsuitable Extinguishing Media : **Do not use water jets.** Do not spray water directly into storage containers due to boil-over danger.

5.2 Special hazards arising from the substance or mixture

Not classed as flammable. Combustion can produce a variety of compounds including oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent. Use only in well ventilated areas.

6.4 Reference to other sections

For personal protection refer to section 8

7. Handling and Storage.

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

7.3 Specific end uses

To be used as a lubricant and oil additive.

8. Exposure Controls/Personal Protection.**8.1 Control parameters**

Ingredient Name		8hr TWA	15min STEL
Mineral Oil	WEL (as oil mist)	5 mg/m ³	

8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Chemical eye goggles should be worn.

Hand: PVC or rubber gloves are recommended.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.**9.1 Information on basic physical and chemical properties**

Appearance:	Clear Amber liquid
Odour:	Bland
Odour Threshold:	Not determined
pH:	Not applicable
Freezing Point:	<0°C
Initial Boiling Point & Boiling Range:	>100°C
Flash Point:	>100°C
Flammability:	Combustible
Evaporation rate:	Not determined
Upper/Lower Flammability Limits:	Not determined
Vapour Pressure:	Not determined
Vapour Density:	(Water=100) >1
Relative Density:	0.930 typical @ 20°C
Solubility:	Insoluble in water
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	>100°C
Decomposition Temperature:	>100°C
Viscosity:	>20°C @ 40°C
Explosive Properties:	Not determined
Oxidising Properties:	Not applicable

9.2 Other Information

No other information available.

10. Stability and Reactivity.**10.1 Reactivity**

No information available

10.2 Chemical Stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid:

Avoid naked flames, hot surfaces and other high temperature sources.

10.5 Incompatible materials

Strong oxidising agents, strong acids. May soften some rubbers and other elastomeric sealing agents.

10.6 Hazardous decomposition products

Product is stable under normal conditions.

11. Toxicological Information.**11.1 Information on toxicological effects**

- Eyes:** Contact may cause moderate irritation and stinging.
- Skin:** Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the product may cause drying of the skin and/or slight irritation.
- Inhalation:** Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.
- Ingestion:** Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may cause discomfort, nausea and irritation of digestive tract.

Acute Toxicity: Zinc Alkyl Dithiophosphate LD50 Oral (rat) >3000 mg/kg

12. Ecological Information.**12.1 Toxicity**

Product is harmful to aquatic organisms. The components are not expected to be highly toxic to aquatic life. If released to water, the product may deplete the oxygen supply to bottom dwelling organisms.

Eco-toxicity: Zinc Alkyl Dithiophosphate LC50 96hrs (fish) 22 mg/l
EC50 48hrs (algae) 2.2mg/l

12.2 Persistence and Degradability:

Not expected to bio-accumulate. Small quantities will be absorbed into the upper soil layer where bio-degradation takes place. Large quantities may penetrate into anaerobic soil layers in which some organic components (e.g. mineral oil) may persist.

12.3 Bio-accumulative potential

Mineral oil can have a potential to bio-accumulate.

12.4 Mobility in soil

The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.

12.5 Results of PBT and vPvB assessment

No information

12.6 Other adverse effects

Not known.

13. Disposal Recommendations.**13.1 Waste treatment methods**

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

Product is not classified as hazardous for transport.

15. Regulatory Information.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16. Other Information.

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Aquatic Chronic	Category 3	H412

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols: None

Signal word: None

Hazard Statements: H412 Harmful to aquatic life with long lasting effects

Precautionary Statements:

Prevention:

P273: Avoid release to the environment

Full text of R-phrases referred to under sections 2 & 3

R36/38: Irritating to eyes and skin

R38: Irritating to skin

R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

Full text of H-Statements referred to under sections 2 & 3

H315: Causes skin irritation

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects

H412: Harmful to aquatic life with long lasting effects

Training Advice

Users should be trained in good industrial hygiene practise.

Department issuing data specification sheet: Health and Safety Department

Contact

Malcolm Gibson. Tel (0)1405 768815, E-Mail: malcolm@technikraft.co.uk

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

Further Information

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.