

GARDX PROTECTION LTD

PRODUCT SAFETY DATA SHEET

1. Identification of the Substance/Preparation & Supplier.

Product Name: Oil Enhancer T1701

Product Type: Engine Additive

Supplier: GardX Protection Ltd, Unit 1 Lockyer Court, Inmans Lane,
Petersfield, Hants, GU32 2NA

Emergency information: Emergency phone number (Office hours only): 01405 768815
Fax no: 01405 768908

2. Hazards Identification.

Hazard designation:
None

Information pertaining to particular dangers for man and environment:

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

Classification system:

The health and environmental hazards of this preparation have been assessed by the conventional method described in annex II and III of the preparations Directive 1999/45 EC.

3. Composition/Information on Ingredients.

Dangerous components:

Hazardous component:	EINECS	Cas No.	Index	Risk Phrases:	Concentration:
Zinc Alkyl Dithiophosphate	272-028-3	68649-42-3	Xi, N	R36/38, R51/53	5-10%
Calcium Sulphonate	271-877-7	68610-84-4	Xi	R38	1-5%
Calcium Sulphonate	290-636-7	90194-27-7	Xi	R38	1-5%
Mineral Oil	Not listed				80-100%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures.

Immediate medical attention is required.

Eye Contact: Flush with clean water for 15 minutes. If irritation persists, obtain medical attention.

Skin Contact: Remove contaminated clothing. Wash off with soap and water. The application of skin reconditioning (emollient) cream, can be beneficial.

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

Ingestion: Water to drink and rinse may be beneficial. Do not induce vomiting without medical advice.

5. Fire Fighting Measures:

Suitable Extinguishing Media: Foam, Dry Powder, Co₂, Sand, Earth, Fine Water Spray suitable.

Unsuitable Extinguishing Media for Reasons of Safety:

Special Hazards caused by the material, its products of combustion or flue gases: Not classed as flammable but inherently combustible. May emit noxious fumes in a fire.

Protective Equipment: Self-contained breathing apparatus may be required.

6. Accidental Release Measures.

Personal safety precautions: Remove ignition sources. Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves.

Measures for environmental protection: Prevent from spreading (e.g. by dusting a ring of chemical binder). As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water. Inform authorities in case of contamination of water or sewage system.

Methods for cleaning/collecting: 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. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

7. Handling and Storage.

Handling:

Information for safe handling: Keep in tightly closed containers. Take note of emission threshold.

Storage:

Requirements to be met by storerooms and containers: Store between 10-35°C. Store in mild steel, stainless steel or polyethylene. Protect from frost.

Information about storage in a common storage facility: Store in a cool dry place away from heat or sources of combustion.

Specific Uses: To be used as an Engine oil additive and lubricant.

8. Exposure Controls/Personal Protection.

Exposure limit values: Not determined. Suggest W.E.L. of 5mg/m³ as oil mist taken as advisory level.

Occupational exposure controls:

Respiratory Protection: Unlikely to be necessary unless operations generate vapour, mist or fumes where the exposure cannot be controlled by local ventilation measures.

Hand: PVC or rubber gloves are recommended.

Eyes: Safety eye goggles should be worn.

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

Environmental exposure controls:

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

9. Physical and Chemical Properties.

Appearance:	Clear Amber Liquid
Odour:	Bland
Flash Point:	>100°C
Vapour Pressure:	Water=18mm Hg
Water Solubility:	Insoluble
Specific Gravity @ 20°C:	0.93 typical
Freezing Point:	<0°C
Viscosity @ 20°C	>20 c/st

10. Stability and Reactivity.

Conditions to Avoid: Protect against naked flames, hot surfaces and other high temperature sources.

Materials to Avoid: Strong oxidising agents.

Hazardous Decomposition Products: Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be produced. Product is stable under normal conditions.

11. Toxicological Information.

- Eyes: Likely to cause moderate irritation and stinging.
- Skin: Brief or occasional contact may cause slight irritation. Prolonged or repeated contact with the undiluted product or dilute emulsions may lead to de-fatting of the skin, slight irritation or dermatitis.
- Inhalation: Excessive exposure to mists or vapour above the exposure levels 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 quantities may cause vomiting and diarrhoea.

12. Ecological Information.

Eco-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.

Mobility: 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.

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.

Bio-accumulative Potential: Mineral oil can have a potential to bio-accumulate.

13. Disposal Recommendations.

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.

Not classified as hazardous for transport.

15. Regulatory Information.

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (CHIP).

Hazard Symbol:

None

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Classification: Not Classified

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

Safety Phrases: S24/25: Avoid contact with skin and eyes
S61: Avoid release to the environment. Refer to special instructions/safety data sheet

National Regulations:

Regulations which may apply in event of accident:

Control of Major Accident Hazards (COMAH)

Critical quantity values according to the regulations on accidents should be adhered to.

16. Other Information.

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2009, (CHIP 4).

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).

R-phrases relevant to the products hazardous ingredients:

R38: Irritating to skin
R36/38: Irritating to Eyes and Skin
R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Training Advice: Users should be trained in good industrial hygiene practise.

Recommended Restrictions on Use:

Department issuing data specification sheet: Health and Safety Department

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

***Date compared to the previous version altered.**

Legal Disclaimer:

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 himself that the product is entirely suitable for his purpose.