

GARDX PROTECTION LTD
PRODUCT SAFETY DATA SHEET

1. Identification of the Substance/Preparation & Supplier.

Product Name: Engine Flush T1312

Product Type: Engine Treatment

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:

Xn Harmful

Information pertaining to particular dangers for man and environment:

R65: Harmful: may cause lung damage if swallowed

R66: Repeated exposure may cause skin dryness or cracking

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:
Petroleum Distillate	265-149-8	64742-47-8	Xn	R65, R66,	60-80%
Solvent Naptha	265-198-5	64742-94-5	Xn, N	R65, R66, R51/53	<2.5%

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 15minutes. 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. **Aspiration Hazard. May cause rapid absorption via lungs, resulting in injury to other body systems. 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: Water Jet.

Special Hazards caused by the material, its products of combustion or flue gases: Not classed as flammable but, inherently combustible. If involved in fire, may evolve noxious fumes.

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: Do not allow product to soak into drains or water courses. 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 containers.

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 a Fuel Treatment.

8. Exposure Controls/Personal Protection.

Exposure limit values:

Ingredient Name		8hr TWA	15min STEL
Petroleum Distillates	WEL	5mg/m ³	10mg/m ³

Occupational exposure controls:

Respiratory Protection: Unlikely to be necessary. Avoid breathing mists or vapours.

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:	Pale Amber Fluid
Odour:	Solvent
Boiling Range:	173-250°C
Flash Point:	>60°C
Water Solubility:	Insoluble
Viscosity @ 40°C:	<7.0c/st
Vapour Density(Water=100):	>1
Specific Gravity @ 20°C:	0.83 typical
Solubility in Organics:	Soluble in many
Freezing Point:	<0°C

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.

Toxic Dose LD50 Oral (rat) 5000mg/kg

Eyes: Likely to cause irritation and stinging.

Skin: Prolonged or repeated contact may lead to de-fatting of the skin and/or slight irritation.

Inhalation: Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract, possible inflammation of the lungs.

Ingestion: Aspiration Hazard. May cause lung damage if material gets into lungs after swallowing, breathing vapour/spray or vomiting swallowed material. Swallowing of small amounts is not likely to cause serious discomfort. If swallowed in larger quantities, may cause vomiting and diarrhoea.

12. Ecological Information.

Eco-toxicity: Hazardous to aquatic life.

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: Product is readily biodegradable.

Bio-accumulative Potential: Not expected 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.

Product is not classified as hazardous for transport.

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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:

Classification:	Xn	Harmful
Risk Phrases:	R65:	Harmful: may cause lung damage if swallowed
	R66:	Repeated exposure may cause skin dryness or cracking
Safety Phrases:	S24/25:	Avoid contact with skin and eyes
	S37:	Wear suitable gloves
	S62:	If swallowed, do not induce vomiting, seek medical advice and show this container or label

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:

R65:	Harmful: may cause lung damage if swallowed
R66:	Repeated exposure may cause skin dryness or cracking
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.