

GardX International Ltd
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 : **T1301 DPF Treatment**

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

Use of the Substance/Mixture : Fuel additive.

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

1.3 Details of the supplier of the safety data sheet

Company : GardX International Ltd, Unit 7 Clovelly Business Park, Clovelly Road, Southbourne, Emsworth, Hants 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 Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Aspiration hazard	Category 1	H304

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word: **Danger**

Hazard Statements: H304 EUH066 May be fatal if swallowed and enters airways
Repeated exposure may cause skin dryness or cracking

Precautionary Statements:

General:

P101: If medical advice is needed have product container or label at hand (recommended for the general public)

P102: Keep out of the reach of children (recommended for the general public)

Prevention:

P280: Wear protective gloves

Response:

P301 + P310: IF SWALLOWED: Immediately call a doctor/qualified first aider

P331: Do NOT induce vomiting

Storage:

P405: Store locked up. (recommended for the general public)

Disposal:

P501: Dispose of contents/container in accordance with local/national regulations (recommended for the general public)

Hazardous components which must be listed on the label

Contains Distillates (petroleum) hydrotreated light

2.3 Other hazards

None known

3. Composition/Information on Ingredients.

3.2 Mixtures

Substances presenting a health or environmental hazard according to Regulation EC1272/2008

Ingredient Name	Identifiers	Classification EC/1272/2008	Concentration Range
Distillates (petroleum) hydrotreated light	EC 265-149-8 CAS 64742-47-8 Reach 01-2119484819-18	Asp. Tox. 1 H304 EUH066	80-95%
2-Ethyl Hexyl Nitrate	EC 248-363-6 CAS 27247-96-7 Reach 01-2119539586-27	Acute Tox. 4 H302 Acute Tox. 4 H312 Acute Tox. 4 H332 EUH044	1-5%
Organometallic Ferrous compound	EC Not listed CAS – 501410-94-2	STOT RE 2 H373 Aq. Chron. 4 H413	1-5%

Additional information: EC 265-149-8 contains less than 0.1% Benzene. For the wording of the listed risk phrases and hazard statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

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

Skin Contact: 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.

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, Sand, Earth, Fine Water Spray suitable.

Unsuitable Extinguishing Media : Water jet.

5.2 Special hazards arising from the substance or mixture

Combustible, if involved in a fire may emit noxious fumes.

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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

Remove ignition sources. 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

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. 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. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-25°C. Protect from frost. Do not store near foodstuffs. Ethyl Hexyl Nitrate is a hazard if heated in confinement to greater than 100°C.

7.3 Specific end uses

To be used as fuel treatment.

8. Exposure Controls/Personal Protection.

8.1 Control parameters

Exposure limit values:

Ingredient Name		8hr TWA	15min STEL
Petroleum Distillates	WEL (Supplier)	5mg/m ³	10mg/m ³
2-Ethyl Hexyl Nitrate	WEL (Supplier)	1ppm	-

8.2 Exposure controls

Respiratory Protection: Avoid prolonged contact with airborne mists, generated by atomising systems. Avoid breathing vapours.

Hand: Nitrile rubber gloves to EN 374 are recommended.

Eyes: Safety eye goggles should be worn.

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 Fluid
Odour:	Characteristic
Odour Threshold:	Not determined
pH Neat:	Not applicable

Freezing Point:	<0°C
Initial Boiling Point & Boiling Range:	180-250°C
Flash Point:	70°C typical
Evaporation rate:	Not determined
Flammability:	Flammable
Upper/Lower Flammability Limits:	0.6% – 8.0% (Petroleum distillate)
Vapour Pressure:	0.4 hpa @ 20°C typical
Vapour Density:	(Water=100) >1
Relative Density:	0.820 typical @ 20°C
Solubility:	Insoluble in water
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	>100°C
Decomposition Temperature:	>100°C
Viscosity @ 40°C:	<7.0 c/st
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.

10.6 Hazardous decomposition products

Oxides of Carbon will be evolved, along with other unidentified organic compounds, some of which may be toxic. Product is stable under normal conditions. Do not heat under confinement.

11. Toxicological Information.

11.1 Information on toxicological effects

Eyes:	Contact will cause temporary irritation and stinging.
Skin:	Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact may cause 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. May cause headaches and dizziness.
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.

12.1 Toxicity

Not classified as toxic to aquatic organisms. Long term adverse effects are possible in the aquatic environment.

12.2 Persistence and Degradability:

No information

12.3 Bio-accumulative potential

Not expected to bio-accumulate

12.4 Mobility in soil

Should not be deposited where it can effect ground or surface waters.

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.

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 EC 1272/2008.

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.

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

H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure
H413	May cause long lasting harmful effects to aquatic life
EUH044	Risk of explosion if heated under confinement
EUH066	Repeated exposure may cause skin dryness or cracking.

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.

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