

**10k Diesel Injector Cleaner**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name 10k Diesel Injector Cleaner
Product code 1435, 1642
Unique Formula Identifier (UFI) 0W40-R01G-S00S-37UG

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

Identified Use(s) Fuel Additive.
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification Granville Oil & Chemicals Ltd
Address of Manufacturer 29 Goldthorpe Ind. Est.,
Goldthorpe,
Rotherham,
South Yorkshire,
Postal code S63 9BL
Telephone: +44 (0)1709 890099
Fax Not known.
E-mail lab@granvilleoil.com
Office hours 08:00 - 17:00

Supplier

Company Identification Granville Oil & Chemicals Ltd
Address of Supplier 29 Goldthorpe Ind. Est.,
Goldthorpe,
Rotherham,
South Yorkshire,
Postal code S63 9BL
Telephone: +44 (0)1709 890099
Fax Not known.
E-mail lab@granvilleoil.com
Office hours 08:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No. +44 (0)1709 890099
Contact Granville Lab
National response centre
Address NHS Direct
Emergency Phone No. +44 111

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**



10k Diesel Injector Cleaner

Regulation (EC) No. 1272/2008 (CLP) Asp. Tox. 1 :May be fatal if swallowed and enters airways.
Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name 10k Diesel Injector Cleaner
Contains Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics. 2-ethylhexyl nitrate

Hazard Pictogram(s)



GHS08

Signal Word(s) Danger

Hazard Statement(s) H304: May be fatal if swallowed and enters airways.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s) P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P273: Avoid release to the environment.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P331: Do NOT induce vomiting.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

Unique Formula Identifier (UFI) 0W40-R01G-S00S-37UG

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	64742-48-9	918-481-9	50-100	Asp. Tox. 1 H304	GHS08

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2-ethylhexyl nitrate	27247-96-7	248-363-6	2.5 - 10	Acute Tox. 4 H302 Acute Tox. 4 H312 Acute Tox. 4 H332 Aquatic Chronic 2 H411	GHS07 GHS09
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HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
2-ethylhexyl nitrate	27247-96-7			Acute Tox. 4 (H302) : 500.000 Acute Tox. 4 (H312) : 1100.000 Acute Tox. 4 (H332) : 11.000

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.
For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Supply fresh air; consult doctor in case of complaints. In case of unconsciousness place patient stably in side position for transportation.
Skin Contact	Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering). Do NOT use solvents or thinners.
Eye Contact	Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.
Ingestion	Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

After ingestion of the liquid, droplets of the product may enter the lungs (aspiration), whereby pneumonia can occur.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media	CO ₂ , powder, foam or water spray. Fight larger fires with water spray or alcohol resistant foam.
Unsuitable extinguishing media	Water with full jet.

5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO) Carbon dioxide (CO₂) Keep dust/vapour clouds away from possible ignition points.

5.3 Advice for firefighters



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Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Cool endangered tanks with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources. Avoid breathing vapor and contact with eyes, skin and clothing.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Observe the general rules for fire prevention.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original receptacle. Keep in a cool, dry place, protected from direct sunlight. All hazardous products must be placed above a sump pallet.

Keep container tightly sealed.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Store away from oxidising agents.

7.3 Specific end use(s)

Fuel Additive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).

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Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	Liquid.
Colour	Transparent.
Odour	Characteristic.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	> 100 ° C.
Flammability	Not known.
Lower and upper explosion limit	Lower 0.6 Vol % Upper 7.0 Vol %.
Flash Point	62 ° C.
Auto-ignition temperature	Product is not self-igniting.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	7 mm ² /s at 40 ° C.
Solubility	Solubility (Water) : Insoluble. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	1 hPa at 20 ° C:.
Density and/or relative density	0.81 g/cm ³ at 20 ° C.
Relative vapour density	Not known.
Particle characteristics	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Reacts violently with oxidizing agents, strong acids and strong bases.

10.2 Chemical Stability

Stable under normal conditions.

**10k Diesel Injector Cleaner****10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Direct sunlight Heat Sparks-Open fire.

10.5 Incompatible materials

Oxidising Agents.

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity - Ingestion	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 5000.00000
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 11000.00000
Acute toxicity - Inhalation	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 110.00000
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

	Harmful to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

**10k Diesel Injector Cleaner****12.3 Bioaccumulative potential**

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION**Not classified as hazardous for transport.****14.1 UN number or ID number**

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Maritime transport in bulk according to IMO instruments

Not known

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

High Concern for Authorisation

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REACH: ANNEX XIV list of substances subject to authorisation	Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Mutagens: category 1B (64742-48-9), 2-ethylhexyl nitrate (27247-96-7)
Community Rolling Action Plan (CoRAP)	Not listed
Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants	Not listed
Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer	Not listed
Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals	Not listed
National regulations	
Other	Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS08

GHS07: GHS: Exclamation mark

GHS09: GHS: Environment

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4
Asp. Tox. 1 : Aspiration hazard, Category 1

Acute Tox. 4 : Acute toxicity, Category 4

Acute Tox. 4 : Acute toxicity, Category 4

Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2

Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H302: Harmful if swallowed.

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H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H332: Harmful if inhaled.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P273: Avoid release to the environment.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.

P331: Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources
for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

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