

**10K Hybrid Protect & Clean**

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

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

Product Name	10K Hybrid Protect & Clean
Product code	1425
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.

**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
<b>1.4 Emergency telephone number</b>	
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**

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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 Hybrid Protect & Clean

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) 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.

**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
Hydrocarbons, C10			<2.5	Asp. Tox. 1 H304 STOT SE 3 H336 Aquatic Chronic 2 H411	GHS08 GHS07 GHS09

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naphthalene	91-20-3	202-049-5	<1	Acute Tox. 4 H302 Carc. 2 H351 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS08 GHS07 GHS09
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HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
naphthalene	91-20-3			Acute Tox. 4 (H302) : 500.000

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	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical treatment 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	If possible, remove contact lenses. Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.
Ingestion	Rinse mouth with plenty of water. 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 <sub>2</sub> , 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 (CO<sub>2</sub>) 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

Handle in accordance with good industrial hygiene and safety procedures. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Avoid inhalation of vapours and contact with eyes, skin and clothing. Wear appropriate personal protective equipment. (See section 8) Do not eat, drink or smoke while working. Information about fire and explosion protection: 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. Protect from heat and direct sunlight. 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)

Not known.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

Biological Exposure Indices

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Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Polycyclic aromatic hydrocarbons (PAHs)	91-20-3	4 $\mu$ mol 1-hydroxypyrene/mol creatinine in urine	Post shift			

Remark                  Notes

**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).



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	Light brown.
Odour	Characteristic.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	>150 ° C.
Flammability	Not known.
Lower and upper explosion limit	Lower: 0.6 Vol % (64742-48-9 Naphtha (petroleum), hydrotreated heavy) Upper: 7.0 Vol % (64742-48-9 Naphtha (petroleum), hydrotreated heavy)
Flash Point	>61 ° C.
Auto-ignition temperature	Product is not self-igniting.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Insoluble. Solubility (Other) : Not known.

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Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	1 hPa (64742-48-9 Naphtha (petroleum), hydrotreated heavy) at 20 ° C.
Density and/or relative density	0.797 g/cm <sup>3</sup> 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 with oxidants.

**10.2 Chemical Stability**

Stable under normal conditions.

**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**

Oxidizing 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 - 50505.05000
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
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.

**10K Hybrid Protect & Clean****SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Harmful to aquatic life. 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.

**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. After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste. Empty contaminated packaging's thoroughly. They may be recycled after thorough and proper cleaning by a licensed recycling company

**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**

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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

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), Polycyclic-aromatic hydrocarbons (PAH) (91-20-3), Hydrocarbons, C10 ( )

Community Rolling Action Plan (CoRAP) naphthalene (91-20-3)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Polycyclic aromatic hydrocarbons (PAHs) (91-20-3)

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



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	GHS07: GHS: Exclamation mark
	GHS09: GHS: Environment
Hazard classification	Acute Tox. 4 : Acute toxicity, Category 4 Asp. Tox. 1 : Aspiration hazard, Category 1 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3 Carc. 2 : Carcinogenicity, Category 2 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1 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. H304: May be fatal if swallowed and enters airways. H336: May cause drowsiness or dizziness. H351: Suspected of causing cancer. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. 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



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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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