

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 Boost Engine Flush

Product code 1436

Unique Formula Identifier (UFI) 7G50-80V8-X007-RMWX

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

Identified Use(s)Not known.Uses Advised AgainstNot 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 Veedol Deutschland GmbH Address of Supplier Hans-Böckler-Straße 10

Langenfeld, Germany

Postal code 40764

Telephone: +49 (0) 2173 893 30 30

Fax Not known.

E-mail lab@granvilleoil.com

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

Regulation (EC) No. 1272/2008 (CLP) Flam. Liq. 3: Flammable liquid and vapour.

Asp. Tox. 1: May be fatal if swallowed and enters airways.

Skin Irrit. 2: Causes skin irritation.





STOT SE 3: May cause drowsiness or dizziness.

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Product Name 10k Boost Engine Flush

Contains Kerosine

Hazard Pictogram(s)

Hazard Statement(s)



Danger

GHS02 GHS08



GHS07



Signal Word(s)

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H226: Flammable liquid and vapour.

H336: May cause drowsiness or dizziness.

 $\ensuremath{\mathsf{H411:}}$  Toxic to a quatic 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.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P271: Use only outdoors or in a well-ventilated area.

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

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

Unique Formula Identifier (UFI)

7G50-80V8-X007-RMWX

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. /	%W/W	Hazard Statement(s)	Hazard
		REACH			Pictogram(s)
		Registration			
		No.			
Kerosine (petroleum) Straight run	8008-20-6	232-366-4	<60	Flam. Liq. 3 H226	GHS02
kerosine [A complex combination of				Asp. Tox. 1 H304	GHS08
hydrocarbons produced by the distillation				Skin Irrit. 2 H315	GHS07
of crude oil. It consists of hydrocarbons				STOT SE 3 H336	GHS09
having carbon numbers predominantly in				Aquatic Chronic 2 H411	
the range of C9 through C16 and boiling in					
the range of approximately 150 °C to					
290° C (320° F to 554° F).]					

Contains no non-classified vPvB substances.

Contains no non-classified 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 First aid is not normally required. If breathing difficulties develop, move victim

away from source of exposure and into fresh air in a position comfortable for

breathing. Seek immediate medical attention.

Skin Contact Remove contaminated shoes and clothing, and flush affected area(s) with large

amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water or a waterless hand cleaner. If irritation or redness develops, seek medical attention. Wash contaminated

clothing before reuse.

Eye Contact If irritation or redness develops from exposure, flush eyes with clean water. If

symptoms persist, seek medical attention.

Ingestion Aspiration hazard: Do not induce vomiting or give anything by mouth because

this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of

breathing. Seek medical attention  $% \left( 1\right) =\left( 1\right) \left( 1\right$ 

# 4.2 Most important symptoms and effects, both acute and delayed

While significant vapour concentrations are not likely, high concentrations can cause minor respiratory irritation, headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue. Ingestion can cause irritation of the digestive tract, nausea, diarrhea, and vomiting. Prolonged or repeated contact may dry skin and cause irritation

### 4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Call a POISON CENTRE/doctor if you feel unwell. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES





### 5.1 Extinguishing media

Suitable Extinguishing media Dry chemical, carbon dioxide, or foam is recommended. Water spray is

recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined

spaces

Unsuitable extinguishing media Simultaneous us

Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

# 5.2 Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards:

Flammable This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe) Vapours may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapour/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. This product will float and can be reignited on surface water. Vapours are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Hazardous Combustion Products:

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of nitrogen and sulphur may also be formed.

## 5.3 Advice for firefighters

For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapours and to protect personnel. Avoid spreading burning liquid with water used for cooling purposes. Cool equipment exposed to fire with water, if it can be done safely.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Flammable. Spillages of liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition and hot metal surfaces away from spill/release if safe to do so. The use of explosion-proof electrical equipment is recommended. Stay upwind and away from spill/release. Avoid direct contact with material. For large spillages, notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorised personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.



#### 6.2 Environmental precautions

Stop and contain spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorised drainage systems, and natural waterways. Use foam on spills to minimise vapours Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

### 6.3 Methods and material for containment and cleaning up

Notify relevant authorities in accordance with all applicable regulations. Immediate cleanup of any spill is recommended. Dike far ahead of spill for later recovery or disposal. Absorb spill with inert material such as sand or vermiculite, and place in suitable container for disposal. If spilled on water remove with appropriate methods (e.g. skimming, booms or absorbents). In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations.

Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken.

#### 6.4 Reference to other sections

See Also Section 8, 13.

## **SECTION 7: HANDLING AND STORAGE**

#### 7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

Flammable Open container slowly to relieve any pressure. Electrostatic charge may accumulate and create a hazardous condition when handling or processing this material. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. The use of explosion-proof electrical equipment is recommended and may be required (see appropriate fire codes for specific bonding/grounding requirements). Do not enter confined spaces such as tanks or pits without following proper entry procedures. Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. May vaporize easily at ambient temperatures. The vapour is heavier than air and may create an explosive mixture of vapor and air. Beware of accumulation in confined spaces and low lying areas.

The use of hydrocarbon fuel in an area without adequate ventilation may result in hazardous levels of incomplete combustion products (e.g. carbon monoxide,



oxides of sulphur and nitrogen, benzene and other hydrocarbons) and/or dangerously low oxygen levels.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep container(s) tightly closed and properly labeled. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Store only in approved containers. Post area "No Smoking or Open Flame." Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this material, refer to appropriate guidance pertaining to cleaning, repairing, welding, or other contemplated operations. Outdoor or detached storage is preferred. Indoor storage should meet Country or Committee standards and appropriate fire codes

### 7.3 Specific end use(s)

Refer to supplemental exposure scenarios if attached.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

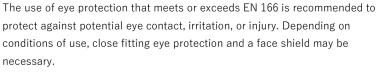
#### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

## 8.2.2. Personal protection equipment



Eye Protection





Skin protection

The use of gloves impervious to the specific material handled that comply with EN 374 is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical resistant boots, aprons, arm covers, hoods, coveralls, or encapsulated suits. Suggested protective materials: Nitrile rubber







Respiratory protection

Where there is potential for airborne exposure above the exposure limit an approved air purifying respirator equipped with Type A, organic gases and vapour filters (as specified by the manufacturer)

A respiratory protection programme that follows recommendations for the selection, use, care and maintenance of respiratory protective devices in EN 529:2005 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (as directed by regulation or the manufacturer's instructions), in oxygen deficient (less than 19.5 percent oxygen) situations, or under conditions that are immediately dangerous to life and health.



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 Amber.

Odour Characteristic odour.

Melting point/freezing point Not known.

Boiling point or initial boiling point and Not known.

boiling range

Flammability

Lower and upper explosion limit

Flash Point

Not known.

Auto-ignition temperature

Not known.

Decomposition Temperature

Not known.

PH

Not known.

Kinematic Viscosity

Not known.

Solubility Solubility (Water): Insoluble.

Solubility (Other): Not known.

Partition coefficient n-octanol/water

(log value)

Not known.

Vapour pressure

Density and/or relative density

Relative vapour density

Particle characteristics

Not known.

Not known.

9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY





10.1 Reactivity

None anticipated.

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

Avoid friction, sparks, or other means of ignition. Prevent vapour accumulation.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents and strong reducing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

## 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. Acute toxicity - Skin Contact Calculation method: Not classified. Calculation method: Not classified. Acute toxicity - Inhalation Skin corrosion/irritation Calculation method: Causes skin irritation. Serious eye damage/irritation Calculation method: Not classified. Calculation method: Not classified. Skin sensitization data 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 : May cause drowsiness or dizziness.

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

Toxic 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

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

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

## SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No. 1268

14.2 UN proper shipping name

UN proper shipping name PETROLEUM DISTILLATES, N.O.S.

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 3
ADR Classification Code F1
Special Provisions 664
Limited Quantities 5 L
Excepted Quantities E1
Emergency Action Code 3Y

Mixed Packing Instructions for

P001 IBC03 LP01 R001

Packages

Special Packing Provisions for

Packages

Mixed Packing Instructions for MP19

Packages

Packing Instructions for Portable Tanks T4
Special Provisions for Portable Tanks TP1 TP29



Tank Code for Tanks LGBF

Special Provisions for Tanks

Vehicle for Tank Carriage FL
ADR Transport Category 3
Tunnel Restriction Code D/E
Special Provisions for Carriage - V12

Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage -Loading, Unloading and Handling

Special Provisions for Carriage - S2

Operation

ADR HIN 30

IMDG

IMDG Class3Special Provisions664Limited Quantities5 LExcepted QuantitiesE1

Mixed Packing Instructions for P001 IBC03 LP01 R001

Packages

Special Packing Provisions for

Packages

Packing Instructions for Portable Tanks  $\ T4$ 

Special Provisions for Portable Tanks TP1 TP29
IMDG EMS F-E, S-E
Stowage and Handling Category A

Segregation

Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name PETROLEUM DISTILLATES, N.O.S.

Excepted Quantities E1
Passenger and Cargo Aircraft Limited Y344

Quantities Packing Instructions

Passenger and Cargo Aircraft Limited 10L

Quantities Max net Qty

Passenger and Cargo Aircraft Packing 355

Instructions

Passenger and Cargo Aircraft Max net 60L

Qty

Cargo Aircraft Packing Instructions 366
Cargo Aircraft Max net Qty 220L
Special Provisions A3
Emergency Response Guidebook (ERG) 3L

Code Labels

Labels 3





14.4 Packing group

Packing group III

14.5 Environmental hazards

Environmental hazards Classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Maritime transport in bulk according to IMO instruments

No information available

## 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 Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances Not listed

subject to authorisation

REACH: Annex XVII Restrictions on the Carcinogens: category 1B (74869-22-0), Kerosine (petroleum) Straight run manufacture, placing on the market and kerosine [A complex combination of hydrocarbons produced by the distillation of

use of certain dangerous substances,

crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150  $^\circ$  C to

290 ° C (320 ° F to 554 ° F).] (8008-20-6)

Community Rolling Action Plan

. . .

mixtures and articles

Not listed

(CoRAP)

Regulation (EU) N° 2019/1021 of the Not listed

European Parliament and of the Council

on persistent organic pollutants

Regulation (EC) N° 1005/2009 on Not listed

substances that deplete the ozone layer

Regulation (EU) N° 649/2012 of the Not listed

European Parliament and of the Council concerning the export and import of

hazardous chemicals

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)









Hazard classification

Flam. Liq. 3: Flammable liquid, Category 3 Asp. Tox. 1: Aspiration hazard, Category 1

Skin Irrit. 2: Skin corrosion/irritation, Category 2

STOT SE 3: Specific target organ toxicity — single exposure, Category 3

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

Hazard Statement(s)

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic 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.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

 ${\sf P301+P310: IF\ SWALLOWED:\ Immediately\ call\ a\ POISON\ CENTRE/doctor.}$ 

P302+P352: IF ON SKIN: Wash with plenty of water.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTRE/doctor if you feel unwell.

P321: Specific treatment (see Medical Advice on this label).





Acronyms

## 10k Boost Engine Flush

P331: Do NOT induce vomiting.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to

extinguish.

P391: Collect spillage.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

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

ADN: European Agreement concerning the International Carriage of Dangerous

Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous

Goods by Road

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

IATA: International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods

LTEL: Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic PNEC : Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals RID: Regulations concerning the International Carriage of Dangerous Goods by

Rail

STEL: Short term exposure limit STOT: Specific Target Organ Toxicity

UN: United Nations

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS Disclaimers Regulation (EC) No. 1272/2008 (CLP)

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