



SAFETY DATA SHEET ENGINE FLUSH - UK

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME ENGINE FLUSH - UK

SUPPLIER Clorox Europe Ltd,
Unit 16, Rassau Industrial Estate,
Ebbw Vale,
Gwent NP23 5SD, UK
Tel: 44 (0) 1495 350234
Fax: 44 (0) 1495 350234
EURegulatory@clorox.com

EMERGENCY TELEPHONE +44 1495 350234
Monday - Thursday: 8.30 - 17.00
Friday: 8.30 - 15.30

2 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xn;R65. R66.

HUMAN HEALTH

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Prolonged skin contact may cause redness, irritation and dry skin.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
KEROSINE (PETROLEUM); STRAIGHT RUN KEROSINE	232-366-4	8008-20-6	60-100%	Xn;R65
ZINC ALKYL DITHIOPHOSPHATE	272-028-3	68649-42-3	< 1%	Xi;R38,R41. N;R51/53.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Vapours may cause drowsiness and dizziness. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. Get medical attention.

INGESTION

May cause discomfort if swallowed. Harmful: may cause lung damage if swallowed. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention immediately! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

SKIN CONTACT

Liquid may irritate skin. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Splashes in the eyes may cause redness and irritation. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.

ENGINE FLUSH - UK

SPECIFIC HAZARDS

Fire creates: Toxic gases/vapours/fumes of Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid contact with oxidising agents. Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



HAND PROTECTION

Use protective gloves made of: Nitrile. or Polyethylene. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Change work clothing daily if contamination is reasonably probable. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Amber
ODOUR	Hydrocarbon
SOLUBILITY	Insoluble in water
FLASH POINT (°C)	78°C

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons.

ENGINE FLUSH - UK**11 TOXICOLOGICAL INFORMATION****INHALATION**

Vapours may cause drowsiness and dizziness. Headache. Central nervous system depression.

INGESTION

Harmful: may cause lung damage if swallowed. May cause discomfort if swallowed. May cause stomach pain or vomiting. Headache. Dizziness.

SKIN CONTACT

Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Splashes may irritate. Spray and vapour in the eyes may cause irritation and smarting.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION**LABELLING**

Harmful

CONTAINS

KEROSINE (PETROLEUM); STRAIGHT RUN KEROSINE

RISK PHRASES

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

SAFETY PHRASES

S2 Keep out of the reach of children
S24 Avoid contact with skin.
S46 If swallowed, seek medical advice immediately and show this container or label.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health.

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

ENGINE FLUSH - UK

GUIDANCE NOTES

CHIP for everyone HSG(108).

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

Re-issued in accordance with Regulation (EC) No. 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

REVISION DATE 01-2008

REV. NO./REPL. SDS GENERATED 1 / 11-2006

RISK PHRASES IN FULL

R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

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