



## SAFETY DATA SHEET ENGINE CLNR / DEGREASER

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name ENGINE CLNR / DEGREASER  
Product No. ECL001, ECL005, ECL025, ECL500

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

Identified uses Car maintenance product.

#### 1.3. Details of the supplier of the safety data sheet

Supplier TETROSYL LIMITED  
BEVIS GREEN WORKS  
WALMERSLEY  
BURY  
BL9 6RE  
0161 764 5981  
0161 797 5899  
info@tetrosyl.com

#### 1.4. Emergency telephone number

0161 764 5981

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xn;R65. R10, R52/53.

#### 2.2. Label elements

Contains Kerosine (Petroleum); Straight Run Kerosine

Detergent Labelling:

< 5% non-ionic surfactants

Labelling



Harmful

Risk Phrases

R10 Flammable  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.

Safety Phrases

S2 Keep out of the reach of children.  
S13 Keep away from food, drink and animal feeding stuffs.  
S46 If swallowed, seek medical advice immediately and show this container or label.

**ENGINE CLNR / DEGREASER**

S51

Use only in well-ventilated areas.

S56

Dispose of this material and its container to hazardous or special waste collection point.

**2.3. Other hazards****SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Alcohol Ethoxylate		1-5%
CAS-No.: 68439-45-2	EC No.:	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Xi;R41.	
Cyclicamine		1-5%
CAS-No.: 68937-01-9	EC No.: 273-051-1	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R22. C;R34. N;R50/53.	
KEROSINE (PETROLEUM); STRAIGHT RUN Kerosine		60-100%
CAS-No.: 8008-20-6	EC No.: 232-366-4	
Classification (EC 1272/2008) Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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

## General information

Remove affected person from source of contamination. NOTE! Effects may be delayed. Keep affected person under observation. Move the exposed person to fresh air at once. NOTE! Keep affected person away from heat, sparks and flames! Place unconscious person on the side in the recovery position and ensure breathing can take place. Keep the affected person warm and at rest. Get prompt medical attention.

## Inhalation

Remove victim immediately from source of exposure. Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.

## Ingestion

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions. Do not give victim anything to drink if he is unconscious. NOTE! Keep affected person away from heat, sparks and flames!

**ENGINE CLNR / DEGREASER****Skin contact**

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if any discomfort continues.

**Eye contact**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Do not rub eye. Get medical attention if any discomfort continues.

**4.2. Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

**Inhalation.**

In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

**Ingestion**

May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication. Fumes from the stomach contents may be inhaled resulting in the same symptoms as inhalation. Congestion of the lungs may occur producing severe shortness of breath.

**Skin contact**

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

**Eye contact**

May cause temporary eye irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

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

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture****Hazardous combustion products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Unusual Fire & Explosion Hazards**

May form explosive mixture with air at very high concentration.

**Specific hazards**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**5.3. Advice for firefighters****Special Fire Fighting Procedures**

No specific fire fighting procedure given.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

In case of inadequate ventilation, use respiratory protection. Do not smoke, use open fire or other sources of ignition. Avoid contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. For personal protection, see section 8. Avoid inhalation of vapours and contact with skin and eyes.

**6.2. Environmental precautions**

## ENGINE CLNR / DEGREASER

Do not discharge into drains, water courses or onto the ground. Prevent entry into drains. Avoid discharge to the aquatic environment. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

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

For waste disposal, see section 13. Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Cover large spillages with alcohol-resistant foam. Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### **6.4. Reference to other sections**

For waste disposal, see section 13. For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Observe good chemical hygiene practices. Mechanical ventilation or local exhaust ventilation may be required. Provide good ventilation.

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

Keep containers tightly closed. Keep upright. Keep in original container. Avoid contact with oxidising agents. Do not store near heat sources or expose to high temperatures.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1. Control parameters**

### **8.2. Exposure controls**

Protective equipment



Engineering measures

Observe occupational exposure limits and minimize the risk of inhalation of vapours. Provide adequate ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Use respiratory equipment with gas filter, type A2.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Nitrile gloves are recommended.

Eye protection

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

Other Protection

Provide eyewash station. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

When using do not eat, drink or smoke. Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash contaminated clothing before reuse.

**ENGINE CLNR / DEGREASER****SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance	Clear Liquid
Colour	Blue.
Odour	Characteristic.
Solubility	Insoluble in water
Initial boiling point and boiling range	175
Melting point (°C)	Scientifically unjustified.
Relative density	0.79 20
Vapour density (air=1)	Scientifically unjustified.
Vapour pressure	Scientifically unjustified.
Evaporation rate	Scientifically unjustified.
pH-Value, Conc. Solution	Scientifically unjustified.
Viscosity	<50 cps 20
Decomposition temperature (°C)	Scientifically unjustified.
Odour Threshold, Lower	Scientifically unjustified.
Odour Threshold, Upper	Scientifically unjustified.
Flash point	77
Auto Ignition Temperature (°C)	Scientifically unjustified.
Flammability Limit - Lower(%)	Scientifically unjustified.
Flammability Limit - Upper(%)	Scientifically unjustified.
Partition Coefficient (N-Octanol/Water)	Scientifically unjustified.
Oxidising properties	Not available.

**9.2. Other information**

None.

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

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use.

**10.3. Possibility of hazardous reactions**

Not relevant

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

**ENGINE CLNR / DEGREASER****10.5. Incompatible materials**

## Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Toxic Dose 1 - LD 50

>5000 mg/kg (oral rat)

**Aspiration hazard:**

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Ingestion

Harmful: may cause lung damage if swallowed.

Health Warnings

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Route of entry

Ingestion.

Medical Considerations

Risk of chemical pneumonia after aspiration.

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

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

**12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l 2-5

EC 50, 48 Hrs, Daphnia, mg/l 1.4

IC 50, 72 Hrs, Algae, mg/l 1-3

**12.2. Persistence and degradability**

Degradability

There are no data on the degradability of this product.

**12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Scientifically unjustified.

**12.4. Mobility in soil**

Mobility:

The product is insoluble in water.

Adsorption/Desorption Coefficient

Not available.

**ENGINE CLNR / DEGREASER****12.5. Results of PBT and vPvB assessment**

Not Classified as PBT/vPvB by current EU criteria.

**12.6. Other adverse effects**

Not available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

## General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**13.1. Waste treatment methods**

Confirm disposal procedures with environmental engineer and local regulations.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

UN No. (ADR/RID/ADN)	2924
UN No. (IMDG)	2924
UN No. (ICAO)	2924

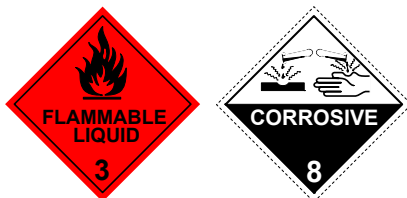
**14.2. UN proper shipping name**

Proper Shipping Name      FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Cyclicamine)

**14.3. Transport hazard class(es)**

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR/RID/ADN Subsidiary Risk	8
ADR Label No.	3 & 8
IMDG Class	3
IMDG Subsidiary risk	8
ICAO Class/Division	3
ICAO Subsidiary risk	8

Transport Labels

**14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

**ENGINE CLNR / DEGREASER****14.6. Special precautions for user**

EMS	F-E, S-C
Emergency Action Code	3W
Hazard No. (ADR)	38

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

## EU Legislation

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.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

## Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date	16/05/2012
Revision	9
Supersedes date	19/09/2005 v8
Safety Data Sheet Status	Approved.

## Risk Phrases In Full

R34	Causes burns.
R10	Flammable
R22	Harmful if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Hazard Statements In Full

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.