SAFETY DATA SHEET

According to 1907/2006/EC, Annex II, as amended by Regulation (EU) No 453/2010

INDUCTION CLEANER
Diesel & Petrol

TEC-2000 LTD.
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier
Trade Name: TEC-2000 INDUCTION CLEANER

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified used: Car Maintenance Product.

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: TEC-2000 LTD., P.O. Box 285, Hitchin, Herts., SG4 9WQ, U.K.

1.4 Emergency telephone number
0044 (Ø) 1462-433 660 - 0044 (Ø) 7831 105386 (24hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification (EC 1272/2008)

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008:
The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS02 GHS07 GHS08 GHS09

Signal word: Danger

Hazard-determining components of labelling:
Hydrocarbons, C9, aromatics, xylene, Propan-2-ol, acetone

Hazard statements:

H222-H229	Extremely flammable aerosol. Pressurised container: may burst if heated
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

Precautionary statements:

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe vapour/spray.
P271	Use only outdoors or in a well-ventilated area.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container in accordance with local regulations

Registered office:
Second Floor, 2 Walsworth Road,
Hitchin, Hertfordshire, SG4 9SP
Registered in England No. 460 8392

Additional information:
RCH002b For professional users only.
EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling requirements in accordance with Article 11 / Annex VII A of Regulation (EC) No 648/2004 on detergents
≥ 30% aromatic hydrocarbons, 5 - < 15% non-ionic surfactants

2.3 Other hazards:
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture consisting of the following components
Hazardous components:

EC number: 918-668-5	Hydrocarbons, C9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	30-60%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	Propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-30%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	Acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-30%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	Xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	10-30%
CAS number: 124-38-9	Carbon Dioxide substance with a Community workplace exposure limit	1-5%

Additional information: For the wording of the listed risk phrases and Hazard Statements refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General Information: Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.
After inhalation: In case of unconsciousness place patient stably in the recovery position.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting Measures

5.1 Extinguishing media
Suitable extinguishing agents:
Carbon dioxide (CO_2). Dry chemical. Foam.

5.2 Special hazards arising from the substance or mixture
Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. The product is highly flammable. Forms explosive mixtures with air. During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters
Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours.
Protective equipment: Mouth respiratory protective device

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Use respiratory protective device. Use personal protective equipment. Keep unprotected persons away.

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.

6.3 Methods and material for containment and cleaning up
Ensure adequate ventilation. Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights.
Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles:
Store in a cool location.
Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility:
Not required.

Further information about storage conditions:
Keep container tightly closed.
Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
67-63-0 Propan-2-ol	
WEL (Great Britain)	Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm
67-64-1 acetone	
WEL (Great Britain)	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
IOELV (EU)	Long-term value: 1210 mg/m³, 500 ppm
124-38-9 Carbon Dioxide	
WEL (Great Britain)	Short-term value: 27400 mg/m³, 15000 ppm Long-term value: 9150 mg/m³, 5000 ppm
IOELV (EU)	Long-term value: 9000 mg/m³, 5000 ppm

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Store protective clothing separately.
Avoid contact with the eyes and skin.

Respiratory protection:
In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/the preparation/ the chemical mixture.
Select the glove material based on a consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:
The exact break through time must be determined by the manufacturer of the protective gloves.

Eye protection:

Safety goggles (EN 166).

Body protection: Protective work clothing.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:	Aerosol
Colour:	Red.
Odour:	Characteristic.
Odour threshold:	Not determined.
pH-value:	Not determined.
Melting point/freezing point:	<0 °C
Initial Boiling point and range:	56 °C
Flash point:	<0 °C
Flammability (solid, gas):	Not determined.
Ignition temperature:	>230 °C
Decomposition temperature:	Not determined.
Explosive properties:	Product is not explosive. However, formation of explosive air/ vapour mixtures is possible.
Explosion limits:	
Lower:	0.8 Vol %
Upper:	13.3 Vol %
Oxidising properties	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	<7 cSt
Solids content:	0.0 %

9.2 Other information No further relevant information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity: Stable under normal conditions of use, storage, and transport.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions: Does not decompose when used and stored as recommended.

10.4 Conditions to avoid: Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5 Incompatible materials: Oxidizing agents.

10.6 Hazardous decomposition products: Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met

Primary irritant effect:

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxical effects:

Remark: Toxic for fish

Additional environmental information:

General notes: Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Recommendation: Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made in accordance with official regulations.
Packaging that may not be cleansed must be disposed of in the same manner as the product.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport Information

14.1 UN Number

ADR, IMDG, IATA: UN 1950

14.2 UN proper shipping name

ADR 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS

IMDG AEROSOLS (Hydrocarbons, C9, aromatics), MARINE POLLUTANT

IATA AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR

Class 2 5F Gases.

Label 2.1

IMDG

Class 2.1

Label 2.1

IATA

Class 2.1

Label 2.1

14.4 Packing group

ADR, IMDG, IATA Not applicable

14.5 Environmental hazards Product contains environmentally hazardous substances: Hydrocarbons, C9, aromatics

14.6 Special precautions for user Warning: Gases.

Hazard identification number (Kemler code): -

EMS Number: F-D, S-U

Stowage Code SW1 Protected from sources of heat.
SW2 Clear of living quarters.

Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Transport/Additional information:

ADR

Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

Tunnel restriction code: D

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

SECTION 15: Regulatory Information.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients are listed.

Seveso category E2 Hazardous to the Aquatic Environment
P3b FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients are listed.

15.2 Chemical safety assessment: No Chemical Safety Assessment has not been carried out.

SECTION 16: Other Information.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
Aerosol 1: Aerosols – Category 1
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity - dermal – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3