



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 (0) 1462-433 660 - 0044 (0) 7831 105386 (24hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards: Aerosol 1 - H222, H229

Health hazards: Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT RE 2 - H373

Environmental hazards: Not Classified

Classification (67/548/EEC or 1999/45/EC): Xi;R38. F+;R12. N;R51/53. R67.

Human health: Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

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

Physicochemical: Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

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

Signal word: Danger

Hazard statements:

H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure

Precautionary statements:

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.
P102	Keep out of reach of children.
P501	Dispose of contents/container in accordance with local regulations

Supplemental label information:	RCH002b For professional users only.
Contains:	ACETONE, XYLENE, PROPAN-2-OL
Detergent labelling:	≥ 30% aliphatic hydrocarbons, 15 - < 30% aromatic hydrocarbons, < 5% non-ionic surfactants

2.3 Other hazards: This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2 Mixtures****Hazardous components:**

CAS number: 8008-20-6 EC number: 232-366-4 Reach Reg.No.: 01-2119485517-27	Kerosine (Petroleum); Straight Run Kerosine	30-60%
	Classification: Flam. Liq. 3 - H226, Asp. Tox. 1 - H304 Classification (67/548/EEC or 1999/45/EC): Xn;R65	
CAS: 67-64-1 EC number: 200-662-2 Reach Reg.No.: 01-2119471330-49	Acetone	10-30%
	Classification: Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 Classification (67/548/EEC or 1999/45/EC): F;R11 Xi;R36 R66 R67	
CAS: 67-63-0 EC number: 200-661-7 Reach Reg.No.: 01- 2119457558-25	Propan-2-ol	10-30%
	Classification: Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 Classification (67/548/EEC or 1999/45/EC): F;R11 Xi;R36 R67	
CAS: 1330-20-7 EC number: 215-535-7 Reach Reg.No.: 01- 2119488216-32	Xylene	10-30%
	Classification: Flam. Liq. 3 - H226, Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335, STOT RE 2 - H373, Asp. Tox. 1 - H304, Aquatic Chronic 3 - H412 Classification (67/548/EEC or 1999/45/EC): R10 Xn;R20/21 Xi;R38	
CAS number: 124-38-9 EC number: 204-696-9	Carbon Dioxide	1-5%
	Classification: Not classified Classification (67/548/EEC or 1999/45/EC): -	
CAS number: 68439-46-3 Reach Reg.No.: n/a	Fatty Alcohol Ethoxylate	1-5%
	Classification: Eye Dam. 1 - H318, Acute Tox. 4 - H302 Classification (67/548/EEC or 1999/45/EC): Xn;R22. Xi;R41	
CAS: 100-41-4 EC number: 202-849-4 Reach Reg.No.: 01-2119489370-35	Ethylbenzene	1-5%
	Classification: Flam. Liq. 2-H225, Acute Tox. 4-H332, STOT RE 2-H373, Asp. Tox. 1 - H304 Classification (67/548/EEC or 1999/45/EC): F;R11 Xn;R20	

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:	Move affected person to fresh air at once.
After inhalation:	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
After swallowing:	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
After skin contact:	Remove contaminated clothing immediately and wash skin with soap and water.
After eye contact:	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

4.2 Most important symptoms and effects, both acute and delayed

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor: Treat symptomatically.

SECTION 5: Firefighting Measures**5.1 Extinguishing media****Suitable extinguishing agents:**

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

5.2 Special hazards arising from the substance or mixture**Specific hazards:**

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.

5.3 Advice for firefighters**Protective actions during firefighting:**

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.

SECTION 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.

6.2 Environmental precautions:

Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3 Methods and material for containment and cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb spillage with non-combustible, absorbent material.

6.4 Reference to other sections

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:**

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Do not spray on a naked flame or any incandescent material. Eliminate all sources of ignition.

7.2 Conditions for safe storage,**including any incompatibilities:**

Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use

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**

Occupational exposure limits:	
Acetone	Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m ³ Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m ³
Propan-2-ol	Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m ³ Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m ³
Xylene	Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m ³ (Sk) Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m ³ (Sk)
Carbon Dioxide	Long-term exposure limit (8-hour TWA): 5000 ppm 9000 mg/m ³ Short-term exposure limit (15-minute): 15000 ppm 27400 mg/m ³
Ethylbenzene	Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m ³ (Sk) Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m ³ (Sk) WEL = Workplace Exposure Limits Sk = Can be absorbed through the skin
Ingredient comments:	WEL = Workplace Exposure Limits

PROPAN-2-OL (CAS: 67-63-0)

DNEL Industry - Dermal; Long term systemic effects: 888 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 500 mg/m³
 Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 26 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 89 mg/m³

PNEC - Fresh water; 140.9 mg/l
 - Marine water; 140.9 mg/l
 - Intermittent release; 140.9 mg/l
 - Sediment (Freshwater); 552 mg/kg
 - Sediment (Marinewater); 552 mg/kg
 - STP; 2251 mg/l
 - Soil; 28 mg/kg

XYLENE (CAS: 1330-20-7)

DNEL Consumer - Oral; Long term systemic effects: 12.5 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 1872 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 65.3 mg/m³
 Consumer - Inhalation; Short term : 260 mg/m³
 Industry - Dermal; Long term systemic effects: 3182 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 221 mg/m³
 Industry - Inhalation; Short term : 442 mg/m³

PNEC Not available.
 This product is a UVCB substance and its composition will be variable, so reported properties may vary or require a range of values to describe them.
 - Fresh water; 0.327 mg/l
 - Marine water; 0.327 mg/l
 - Intermittent release; 0.327 mg/l
 - STP; 6.58 mg/l
 - Sediment (Freshwater); 12.46 mg/kg
 - Sediment (Marinewater); 12.46 mg/kg
 - Soil; 2.31 mg/kg

8.2 Exposure controls**Protective equipment**

Appropriate engineering controls: Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Personal protection: Do not eat, drink or smoke when using this product.

Eye/face protection: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection: Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Hygiene measures: Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

Respiratory protection: If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties****General Information**

Appearance:	Aerosol
Colour:	Red.
Odour:	Characteristic.
Melting point:	<0 °C
Initial Boiling point and range:	56 °C (IBC)
Flash point:	<0 °C

Upper/lower flammability or explosive limits:	Lower flammable/explosive limit: 0.8% Upper flammable/explosive limit: 13.3%.
Vapour pressure:	ca. 590 to 1760 kPa @ 45°C
Vapour density:	ca. 1.5 at 15°C
Relative density:	0.815 @ 15 °C
Auto-Ignition temperature:	>230 °C
Viscosity:	< 7 cSt @ 40 °C
Comments:	Information given is applicable to the major ingredient.

9.2 Other information:

Other information:	No further relevant information available.
Volatile organic compound:	This product contains a maximum VOC content of 760 g/l..

SECTION 10: Stability and Reactivity

10.1 Reactivity:	Stable at normal ambient temperatures and when used as recommended.
10.2 Chemical stability:	Avoid the following conditions: Heat, sparks, flames.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
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:	Keep away from oxidising materials, heat and flames.
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 – oral:	ATE oral (mg/kg) 17,361.11
Acute toxicity – dermal:	ATE dermal (mg/kg) 7,638.89
Acute toxicity – inhalation:	ATE inhalation (gases ppm) 34,722.22
General information:	Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.
Inhalation:	In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.
Skin contact:	Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.
Eye contact:	Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. Repeated exposure may cause chronic eye irritation.
Acute and chronic health hazards:	Arrhythmia (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Route of entry:	Inhalation Skin absorption
Target organs:	Central nervous system Respiratory system, lungs
Medical symptoms:	Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

SECTION 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.
12.1 Toxicity:	No further relevant information available.
12.2 Persistence and degradability:	No further relevant information available.
12.3 Bioaccumulative potential:	
Bioaccumulative potential:	No further relevant information available.
Partition coefficient:	log Pow: ca. 2.3 to 2.8.
12.4 Mobility in soil:	No further relevant information available.
12.5 Results of PBT and vPvB assessment	
PBT:	Not available.
vPvB:	Not available.
12.6 Other adverse effects:	Not available.

SECTION 13: Disposal Considerations**13.1 Waste treatment methods**

General information:	Do not puncture or incinerate, even when empty.
Disposal methods:	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14: Transport Information

General information: This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

14.1 UN Number

ADR/RID, IMDG, ICAO, ADN: UN 1950

14.2 UN proper shipping name

ADR/RID, IMDG, ICAO, ADN: AEROSOLS (HYDROCARBONS, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)

14.3 Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport Labels**14.4 Packing group**

ADR/RID, IMDG, ICAO Not applicable
ADN None

14.5 Environmental hazards

Substance / Marine pollutant: No

14.6 Special precautions for user

Warning: Flammable liquids.
EmS Number: F-D,S-U
ADR transport category: 2
Tunnel restriction code: (D)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory Information.**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

National regulations: The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). Control of Substances Hazardous to Health Regulations 2002 (as amended). The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation: Commission Regulation (EU) No 453/2010 of 20 May 2010.

Guidance: Workplace Exposure Limits EH40.
 CHIP for everyone HSG228.
 Safety Data Sheets for Substances and Preparations.
 Approved Classification and Labelling Guide (Sixth edition) L131.
 British Aerosol Manufacturers Code of Practice 7th. Edition 1999

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

H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: may burst if heated
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
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.
H412	Harmful to aquatic life with long lasting effects.