

# TURBO

## CLEAN / RESTORE

### SAFETY DATA SHEET

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

Product number 3027

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

Identified uses Cleaner

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

Supplier EcoMotive Manufacturing Ltd  
Unit 69a Faircharm  
Trading Estate, Evelyn Drive,  
Leicester  
Tel: 0845 0521349

##### 1.4. Emergency telephone number

Emergency telephone 0845 0521349 (Hours 09:00 to 17:00 Mon to Fri)

#### 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 Dam. 1 - H318 STOT SE 3 - H335, H336 STOT RE 2 - H373

Environmental hazards Not Classified

Human health Vapours and spray/mists in high concentrations are narcotic. See Section 11 for additional information on health hazards.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

##### 2.2. Label elements

###### Pictogram



Signal word

Danger

Hazard statements

H222 Extremely flammable<sup>1/</sup> aerosol.  
H229 Pressurised container: may burst if heated.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

<b>Precautionary statements</b>	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.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312 Call a POISON CENTRE/doctor if you feel unwell.
	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
<b>Supplemental label information</b>	RCH002b For professional users only.
<b>Contains</b>	XYLENE, ACETONE, PROPAN-1-OL
<b>Supplementary precautionary statements</b>	P261 Avoid breathing vapour/ spray.
	P264 Wash contaminated skin thoroughly after handling.
	P310 Immediately call a POISON CENTER/ doctor.
	P314 Get medical advice/ attention if you feel unwell.
	P321 Specific treatment (see medical advice on this label).
	P332+P313 If skin irritation occurs: Get medical advice/ attention.
	P362+P364 Take off contaminated clothing and wash it before reuse.
	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
	P405 Store locked up.
	P501 Dispose of contents/ container in accordance with national regulations.

### 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

<b>XYLENE</b>			<b>30-60%</b>
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-XXXX	
<b>Classification</b>			
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			

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

<b>PETROLEUM GASES, LIQUEFIED &lt;0.1% 1,3-BUTADIENE</b>			<b>10-30%</b>
CAS number: 68476-85-7	EC number: 270-704-2		
<b>Classification</b> Flam. Gas 1 - H220 Press. Gas (Comp.) - H280			
<b>ACETONE</b>			<b>10-30%</b>
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336			
<b>HYDROCARBON, C11-C14, N-ALKANES, ISOALKANES</b>			<b>10-30%</b>
CAS number: 64742-47-8	EC number: 265-149-8	REACH registration number: 01-2119484819-18-XXXX	
<b>Classification</b> Asp. Tox. 1 - H304			
<b>PROPAN-1-OL</b>			<b>5-10%</b>
CAS number: 71-23-8	EC number: 200-746-9	REACH registration number: 01-2119486761-29-XXXX	
<b>Classification</b> Flam. Liq. 2 - H225 Eye Dam. 1 - H318 STOT SE 3 - H336			

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

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

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

**General information** See Section 11 for additional information on health hazards.

### 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 media** Foam, carbon dioxide or dry powder.

### 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.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

## **SECTION 6: Accidental release measures**

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

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

**Advice on general occupational hygiene** Wash promptly with soap and water if skin becomes contaminated. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Protect from freezing and direct sunlight. Store in a dry place. Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure Controls/personal protection**

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

### 8.1. Control parameters

#### Occupational exposure limits

##### XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m<sup>3</sup>

Sk, Sk

##### PETROLEUM GASES, LIQUEFIED <0.1% 1,3-BUTADIENE

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

##### ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

##### PROPAN-1-OL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 500 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 625 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

#### XYLENE (CAS: 1330-20-7)

##### DNEL

Consumer - Dermal; Long term systemic effects: 108 mg/kg/day

Workers - Dermal; Long term systemic effects: 180 mg/kg/day

Consumer - Inhalation; Short term local effects: 174 mg/m<sup>3</sup>

Consumer - Inhalation; Short term systemic effects: 174 mg/m<sup>3</sup>

Workers - Inhalation; Short term systemic effects: 289 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 289 mg/m<sup>3</sup>

Consumer - Inhalation; Long term systemic effects: 14.8 mg/m<sup>3</sup>

Workers - Inhalation; Long term systemic effects: 77 mg/m<sup>3</sup>

##### PNEC

- 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

#### ACETONE (CAS: 67-64-1)

##### DNEL

Workers - Dermal; Long term systemic effects: 186 mg/kg/day

Workers - Inhalation; Short term local effects: 2420 mg/m<sup>3</sup>

Workers - Inhalation; Long term systemic effects: 1210 mg/m<sup>3</sup>

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Sediment (Freshwater); 30.4 mg/kg</li> <li>- Sediment (Marinewater); 3.04 mg/kg</li> <li>- Marine water; 1.06 mg/l</li> <li>- Soil; 29.5 mg/kg</li> </ul>
-------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### PROPAN-1-OL (CAS: 71-23-8)

<b>DNEL</b>	<p>Workers - Dermal; Long term systemic effects: 136 mg/kg</p> <p>Workers - Inhalation; Long term systemic effects: 268 mg/m<sup>3</sup></p> <p>Workers - Inhalation; Short term systemic effects: 1723 mg/m<sup>3</sup></p> <p>Consumer - Dermal; Long term systemic effects: 81 mg/kg</p> <p>Consumer - Inhalation; Long term systemic effects: 80 mg/m<sup>3</sup></p> <p>Consumer - Inhalation; Short term systemic effects: 1036 mg/m<sup>3</sup></p> <p>Consumer - Oral; Long term systemic effects: 61 mg/kg</p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 10 mg/l</li> <li>- STP; 96 mg/l</li> <li>- Soil; 2.2 mg/kg</li> <li>- Sediment (Marinewater); 2.28 mg/kg</li> <li>- Sediment (Freshwater); 22.8 mg/kg</li> <li>- Intermittent release; 10 mg/l</li> <li>- Marine water; 1 mg/l</li> </ul>

## 8.2. Exposure controls

<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
<b>Hand protection</b>	No specific requirements are anticipated under normal conditions of use.
<b>Other skin and body protection</b>	Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.
<b>Respiratory protection</b>	No specific recommendations. 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

<b>Appearance</b>	Aerosol.
<b>Colour</b>	Clear.
<b>Odour</b>	Solvent.
<b>Odour threshold</b>	No information available.
<b>pH</b>	No information available.
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	-41 (-41 TO 190)°C
<b>Flash point</b>	-40°C Closed cup.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 0.5 % Upper flammable/explosive limit: 13.5 %

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.723
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	230°C
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Oxidising properties	No information available.

### 9.2. Other information

Other information	None.
-------------------	-------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
------------	------------------------------------------------------------------------------------------------

### 10.2. Chemical stability

Stability	The product may not be stable under some conditions of storage or use.
-----------	------------------------------------------------------------------------

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
------------------------------------	-------------

### 10.4. Conditions to avoid

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

Materials to avoid	None known.
--------------------	-------------

### 10.6. Hazardous decomposition products

Hazardous decomposition products	None at ambient temperatures.
----------------------------------	-------------------------------

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - dermal

ATE dermal (mg/kg)	3,013.7
--------------------	---------

#### Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	30.14
-------------------------------	-------

Inhalation	May cause respiratory irritation. May cause drowsiness or dizziness. Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.
Skin contact	Causes skin irritation.

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

<b>Eye contact</b>	Causes serious eye damage.
<b>Acute and chronic health hazards</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Route of exposure</b>	Inhalation Skin and/or eye contact

### Toxicological information on ingredients.

#### XYLENE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 4,300.0

Species Rat

ATE oral (mg/kg) 4,300.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 3,200.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

##### Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

#### ACETONE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,800.0

Species Rat

ATE oral (mg/kg) 5,800.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 7,800.0

Species Rabbit

ATE dermal (mg/kg) 7,800.0

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 21.0

Species Rat

ATE inhalation (vapours mg/l) 21.0

#### PROPAN-1-OL

##### Acute toxicity - oral



## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

Acute toxicity oral (LD<sub>50</sub>  
mg/kg)

1,870.0

Species

Rat

### SECTION 12: Ecological Information

#### 12.1. Toxicity

##### Ecological information on ingredients.

##### XYLENE

##### Acute aquatic toxicity

Acute toxicity - fish LOEC, : >1 - <10 mg/l, Fish

Acute toxicity - aquatic plants LOEC, : >1 - <10 mg/l, Algae

##### ACETONE

##### Acute aquatic toxicity

Acute toxicity - fish EC<sub>50</sub>, 96 hours: 8300 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, : 8800 mg/l, Daphnia magna

##### PROPAN-1-OL

##### Acute aquatic toxicity

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 4480 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 3644 mg/l, Daphnia magna

#### 12.2. Persistence and degradability

Persistence and degradability No data available.

#### 12.3. Bioaccumulative potential

Partition coefficient No information available.

#### 12.4. Mobility in soil

Mobility No data available.

#### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

Other adverse effects None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

**Disposal methods** Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.

**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** AEROSOLS, FLAMMABLE

**Proper shipping name (IMDG)** AEROSOLS, FLAMMABLE

**Proper shipping name (ICAO)** AEROSOLS, FLAMMABLE

**Proper shipping name (ADN)** AEROSOLS, FLAMMABLE

#### 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

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## Ecomotive Manufacturing Limited - Turbo Cleaner 250ml Aerosols

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

### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).
<b>EU legislation</b>	<p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>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) (as amended).</p> <p>Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).</p> <p>Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste.</p>

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision date</b>	30/08/2017
<b>Revision</b>	1
<b>SDS number</b>	7359
<b>Hazard statements in full</b>	<p>H220 Extremely flammable gas.</p> <p>H222 Extremely flammable aerosol.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H226 Flammable liquid and vapour.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H280 Contains gas under pressure; may explode if heated.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H312 Harmful in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.