


1 Identification

- **Product identifier**
- **Trade name:** RACING BIO AIR FILTER OIL
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Only for proper handling.
Air filter oil
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MOTOREX AG
Bern-Zürich-Strasse 31, Postfach
CH-4901 Langenthal
Tel. +41 (0)62 919 75 75
www.motorex.com

A1 Accessory Imports
60-62 Burchill St.
Loganholme
4129 QLD
Australia
Phone : 07 3451 1300
- **Further information obtainable from:** msds@motorex.com
- **Emergency telephone number:**
In case of a medical emergency following exposure to a chemical, call Poisons Information Centre Australia 13 11 26

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**


GHS02 GHS07 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:**
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclohexane
cyclohexane
Hydrocarbons, C6, isoalkanes, <5% of n-hexane
- **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations



Printing date 30.01.2024

Version number 3.1

Revision: 09.05.2023

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 1)

Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
 P321 Specific treatment (see on this label).
 P331 Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
 Rinse skin with water/shower.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition and Information on Ingredients

Chemical characterisation: Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:

EC number: 921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
EC number: 927-510-4	Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	≥20-<25%
CAS: 110-82-7 EINECS: 203-806-2 Index number: 601-017-00-1	cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	≥10-<20%
EC number: 931-254-9	Hydrocarbons, C6, isoalkanes, <5% of n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	≥10-<20%
CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0	n-hexane Flam. Liq. 2, H225; Repr. 2, H361; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	≥2.5-<3%

Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons	≥30%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations



Printing date 30.01.2024

Version number 3.1

Revision: 09.05.2023

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 2)

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

5 Fire Fighting Measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Emergency Action Code / HazChem-Code** 3YE
- **Protective equipment:** No special measures required.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **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.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **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.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The recommended storage temperature is (deg.C): ≤50°C
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.

(Contd. on page 4)

Safety Data Sheet

according to WHS Regulations



Printing date 30.01.2024

Version number 3.1

Revision: 09.05.2023

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 3)

· Ingredients with limit values that require monitoring at the workplace:

110-82-7 cyclohexane

WES Short-term value: 1050 mg/m³, 300 ppm
Long-term value: 350 mg/m³, 100 ppm

110-54-3 n-hexane

WES Long-term value: 72 mg/m³, 20 ppm

· DNELs

110-82-7 cyclohexane

Oral	DNEL/general population/Systemic effects/Long-term	59.4 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	2,016 mg/kg/24h (worker)
Inhalative	DNEL/general population/Systemic effects/Long-term	1,186 mg/kg/24h (consumer)
	DNEL / Workers / Systemic effects / Long-term	700 mg/m ³ (worker)
	DNEL/Workers/Systemic effects/acute-short term	700 mg/m ³ (worker)
	DNEL/Workers/Local effects/acute-short term	700 mg/m ³ (worker)
	DNEL / Workers / Local Effects / Long-term	700 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	206 mg/m ³ (consumer)
	DNEL/general pop/Systemic effects/acute-short term	412 mg/m ³ (consumer)
	DNEL/general pop/Local effects/acute-short term	412 mg/m ³ (consumer)
	DNEL/general population/Local effects/Long-term	206 mg/m ³ (consumer)

Hydrocarbons, C6, isoalkanes, <5% of n-hexane

Oral	DNEL/general population/Systemic effects/Long-term	1,301 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	13,964 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	1,377 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	5,306 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	1,131 mg/m ³ (consumer)

· PNECs

110-82-7 cyclohexane

PNEC / Aquatic organisms / Freshwater	0.207 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.207 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	3.24 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	3.627 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	3.627 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	2.99 mg/kg (terrestrial organisms)

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

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Not necessary if room is well-ventilated.

Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.

(Contd. on page 5)

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 4)

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on 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 has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



safety goggles

· **Body protection:** Protective work clothing

9 Physical and Chemical Properties

· **General Information**

· **Appearance:**

- **Form:** Fluid
- **Colour:** Green
- **Odour:** Solvent-like
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.

· **Change in condition**

- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 65 °C (DIN EN ISO 3405)
- **Flash point:** <-20 °C
- **Flammability (solid, gas):** Highly flammable.
- **Decomposition temperature:** Not determined.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 0.781 g/cm³ (ASTM D 4052)
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with**
- **water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
- **Dynamic:** Not determined.
- **Kinematic:** 7.1 mm²/s @ 40 °C

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations



Printing date 30.01.2024

Version number 3.1

Revision: 09.05.2023

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 5)

- | | |
|-----------------------------------|--|
| · Solvent separation test: | |
| · VOC (EC) | 59.98 % |
| · Other information | No further relevant information available. |

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclenes

Oral	LD50	8 ml/kg (rat)
Dermal	LD50	4 ml/kg (rat)
	LD50	2,800-3,100 mg/kg (rat)
Inhalative	NOEL	200-2,000 mg/kg/24h (rabbit)
	NOAEL	375-3,750 mg/kg/24h (rat)
	LC50 / 4h	23.3 mg/l (rat)
	NOAEC	9.84-20 mg/l (rat)

110-82-7 cyclohexane

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 4h	32.88 mg/l (rat)
	LC50 / 4h	5,540 ppm (rat)
	NOAEC	500-2,000 ppm (mouse) 500-7,000 ppm (rat)

Hydrocarbons, C6, isoalkanes, <5% of n-hexane

Oral	LD50	25 ml/kg (rat)
Dermal	LD50	5 ml/kg (rabbit)
Inhalative	LC50 / 4h	73,860 ppm (rat)
	NOAEC	8,992 ppm (mouse) 2,984-8,992 ppm (rat)
	LOAEC	8,992 ppm (rat)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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 drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 7)

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 6)

· **Aspiration hazard** May be fatal if swallowed and enters airways.

12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**

Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes

EC50	0.23 mg/l/21d (aquatic invertebrates)
EC50	0.64 mg/l/48h (aquatic invertebrates)
LL50	8.2-13.4 mg/l/96h (fish)
EL50	3.7-13 mg/l/96h (algae / cyanobacteria)
EL50	3-4.5 mg/l/48h (aquatic invertebrates)
	10-30 mg/l/48h (algae / cyanobacteria)
EL50	12 mg/l/24h (aquatic invertebrates)
	10-30 mg/l/24h (algae / cyanobacteria)
EL50	3.1-30 mg/l/72h (algae / cyanobacteria)
EL50	10 mg/l/21d (fish)
EL0	2 mg/l/48h (aquatic invertebrates)
EL0	10 mg/l/24h (aquatic invertebrates)
NOEC	0.17 mg/l/21d (aquatic invertebrates)
NOELR	1-16 mg/l/28d (aquatic invertebrates)
	1.534 mg/l/28d (fish)
NOELR	2.6 mg/l/21d (fish)
NOELR	0.5-10 mg/l/72h (algae / cyanobacteria)
NOELR	0.5 mg/l/48h (aquatic invertebrates)
LOEC	0.32 mg/kg/28d (aquatic invertebrates)

110-82-7 cyclohexane

LC50	4.53 mg/l/96h (fish)
EC50	0.9-2.4 mg/l/96h (aquatic invertebrates)
EC50	3.4-9.317 mg/l/72h (algae / cyanobacteria)
NOEC	0.9-0.94 mg/l/72h (algae / cyanobacteria)

Hydrocarbons, C6, isoalkanes, <5% of n-hexane

LL50	18.27 mg/l/96h (fish)
EL50	31.9 mg/l/48h (aquatic invertebrates)
EL50	13.56 mg/l/72h (algae / cyanobacteria)
NOELR	4.089 mg/l/28d (fish)
NOELR	7.138 mg/l/21d (aquatic invertebrates)
NOELR	3.034 mg/l/72h (algae / cyanobacteria)

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential**

Hydrocarbons, C7, n-alkanes, Isoalkanes, cyclenes

Biodegradability	98 % (28d) (Biodegradability) (OECD 301 F)
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110-82-7 cyclohexane

Partition coefficient	3.44 [---] (log Kow) (Bioaccumulation)
Biodegradability	77 % (28d) (Biodegradability) (OECD 301 F)

(Contd. on page 8)

Safety Data Sheet

according to WHS Regulations



Printing date 30.01.2024

Version number 3.1

Revision: 09.05.2023

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 7)

Hydrocarbons, C6, isoalkanes, <5% of n-hexane

Partition coefficient 3.6 [---] (log Kow) (Bioaccumulation)

Biodegradability >80 % (28d) (Biodegradability) (OECD 301 F)

 · **Mobility in soil** No further relevant information available.

 · **Additional ecological information:**

 · **General notes:**

Water hazard class 2 (according to Appendix 1 AWSV): significantly hazardous to 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.

 · **Results of PBT and vPvB assessment**

 · **PBT:** Not applicable.

 · **vPvB:** Not applicable.

 · **Other adverse effects** No further relevant information available.

13 Disposal considerations

 · **Waste treatment methods**

 · **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.

 · **Uncleaned packaging:**

 · **Recommendation:**

Disposal must be made according to official regulations.

Discharged containers can contain flammable or explosive vapours.

14 Transport information

 · **UN-Number**

 · **ADG, IMDG, IATA**

UN3295

 · **UN proper shipping name**

 · **ADG**

3295 HYDROCARBONS, LIQUID, N.O.S., ENVIRONMENTALLY HAZARDOUS, special provision 640D

 · **IMDG**

HYDROCARBONS, LIQUID, N.O.S., MARINE POLLUTANT

 · **IATA**

HYDROCARBONS, LIQUID, N.O.S.

 · **Transport hazard class(es)**

 · **ADG**

 · **Class**

3 (F1) Flammable liquids.

 · **Label**

3

(Contd. on page 9)

Safety Data Sheet

according to WHS Regulations

Printing date 30.01.2024

Version number 3.1

Revision: 09.05.2023

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 8)

· **IMDG**

· **Class** 3 Flammable liquids.
 · **Label** 3

· **IATA**

· **Class** 3 Flammable liquids.
 · **Label** 3

· **Packing group**
 · **ADG, IMDG, IATA** II

· **Environmental hazards:** Product contains environmentally hazardous substances: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
 · **Marine pollutant:** Symbol (fish and tree)
 · **Special marking (ADG):** Symbol (fish and tree)

· **Special precautions for user** Warning: Flammable liquids.
 · **Hazard identification number (Kemler code):** -
 · **EMS Number:** F-E,S-D
 · **Stowage Category** B

· **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADG**
 · **Limited quantities (LQ)** 1L
 · **Excepted quantities (EQ)** Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml
 · **Transport category** 2
 · **Tunnel restriction code** D/E

· **IMDG**
 · **Limited quantities (LQ)** 1L
 · **Excepted quantities (EQ)** Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":** UN 3295 HYDROCARBONS, LIQUID, N.O.S. 3, II, ENVIRONMENTALLY HAZARDOUS

15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

110-82-7	cyclohexane
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(Contd. on page 10)

Safety Data Sheet

according to WHS Regulations



Printing date 30.01.2024

Version number 3.1

Revision: 09.05.2023

Trade name: RACING BIO AIR FILTER OIL

(Contd. of page 9)

110-54-3	n-hexane
68909-20-6	Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica
540-97-6	Dodecamethylcyclohexasiloxane
541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
556-67-2	octamethylcyclotetrasiloxane

· Standard for the Uniform Scheduling of Medicines and Poisons

None of the ingredients is listed.

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

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

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

· Chemical safety assessment: A Chemical Safety Assessment has been carried out.

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.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

· purity requirement
· Relevant phrases

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

· Department issuing SDS: Abteilung Produktsicherheit

· Contact:
· Abbreviations and acronyms:

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Repr. 2: Reproductive toxicity – 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

· * Data compared to the previous version altered.