

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 08.10.2013

Revision: 08.10.2013

1 Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name: Challenge Tires _____

Article number: 90001

Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the preparation

Adhesives

Cleaning agent/ Cleaner

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CTA GmbH

Industriestr. 2

D-74321 Bietigheim-Bissingen

Further information obtainable from:

fon: ++49-(0)-7142-506-0

fax: ++49-(0)-7142-506-140

e-mail: dirk.buchholz@cta-gmbh.de

Emergency telephone number:

Giftnotruf Berlin: fon: ++49-(0)-30-30686 790 Beratung in Deutsch und Englisch

2 Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225Highly flammable liquid and vapour.



GHS09 environment

Aquatic Acute 1 H400Very toxic to aquatic life.

Aquatic Chronic 1H410Very toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315Causes skin irritation.

STOT SE 3 H336May cause drowsiness or dizziness.

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 GHS09

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Signal word Danger

Hazard statements

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P103 Read label before use.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P321 Specific treatment (see on this label).
- 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/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119463273-41	cyclohexane ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 64742-49-0 EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 128-37-0 EINECS: 204-881-4 Reg.nr.: 01-2119565113-46-0000	2,6-di-tert-butyl-p-cresol ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302	≤ 2.5%

Additional information: Remark P: concentration of benzene < 0,1 % (weight)

4 First aid measures

Description of first aid measures

- 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. If symptoms persist, consult a doctor.
- After swallowing:** If symptoms persist consult doctor.

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Information for doctor:

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

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

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).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

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.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

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:

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.

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8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace:

110-82-7cyclohexane

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

128-37-02,6-di-tert-butyl-p-cresol

WEL Long-term value: 10 mg/m³

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

Exposure controls

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 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.

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

Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.5 mm

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

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Colour:	Beige
<input type="checkbox"/> Odour:	Characteristic
<input type="checkbox"/> Odour threshold:	Not determined.
<input type="checkbox"/> pH-value:	Not determined.
<input type="checkbox"/> Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	80 °C
<input type="checkbox"/> Flash point:	-12 °C
<input type="checkbox"/> Flammability (solid, gaseous):	Not applicable.
<input type="checkbox"/> Ignition temperature:	220 °C
<input type="checkbox"/> Decomposition temperature:	Not determined.
<input type="checkbox"/> Self-igniting:	Product is not selfigniting.
<input type="checkbox"/> Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<input type="checkbox"/> Explosion limits:	
Lower:	0.9 Vol %
Upper:	8.3 Vol %
<input type="checkbox"/> Vapour pressure at 20 °C:	104 hPa
<input type="checkbox"/> Density at 20 °C:	0.81 g/cm ³
<input type="checkbox"/> Relative density	Not determined.
<input type="checkbox"/> Vapour density	Not determined.
<input type="checkbox"/> Evaporation rate	Not determined.
<input type="checkbox"/> Solubility in / Miscibility with water:	Not miscible or difficult to mix.
<input type="checkbox"/> Partition coefficient (n-octanol/water):	Not determined.
<input type="checkbox"/> Viscosity:	
Dynamic at 20 °C:	5200 mPas
Kinematic:	Not determined.
<input type="checkbox"/> Solvent content:	
VOC (EC)	70.50 %
<input type="checkbox"/> Other information	No further relevant information available.

10 Stability and reactivity

- Reactivity**
- Chemical stability**
- 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.

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Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

110-82-7cyclohexane

Oral		LD5012705 mg/kg (rat)
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64742-49-0Naphtha (petroleum), hydrotreated light

Oral		LD50>5000 mg/kg (rat)
Dermal		LD50>2000 mg/kg (rabbit)

128-37-02,6-di-tert-butyl-p-cresol

Oral		LD50890 mg/kg (rat)
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Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Very toxic for fish

Additional ecological information:

General notes:

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.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

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.

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European waste catalogue

08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

UN-Number

ADR, IMDG, IATA UN1133

UN proper shipping name

ADR 1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS, special provision 640H

IMDG, IATA ADHESIVES

Transport hazard class(es)

ADR



Class 3 (F1) Flammable liquids.

Label 3

IMDG, IATA



Class 3 Flammable liquids.

Label 3

Packing group

ADR, IMDG, IATA III

Environmental hazards: Product contains environmentally hazardous substances: cyclohexane

Marine pollutant: No

Special marking (ADR): Symbol (fish and tree)

Special precautions for user Warning: Flammable liquids.

Danger code (Kemler): 33

EMS Number: F-E,S-E

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 5L

Transport category 3

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<input type="checkbox"/> Tunnel restriction code	D/E
<input type="checkbox"/> UN "Model Regulation":	UN1133, ADHESIVES, special provision 640H, ENVIRONMENTALLY HAZARDOUS, 3, III

15 Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not 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.

Relevant phrases

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

Department issuing MSDS: Abteilung Produktsicherheit

Contact: Dr. Dirk Buchholz

Abbreviations and acronyms:

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- ICAO: International Civil Aviation Organization
- 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 Harmonized 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)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent