

Safety data sheet

1907/2006/EC, 1272/2008/EC

Printing date 09.06.2011

Revision: 09.06.2011

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

- **Product identifier**
- **Trade name:** Bicycle Tyre Repair Adhesive
- **Article number:** Not available
- **Registration number:** Not available
- **Relevant identified uses of the substance or mixture and uses advised against:**
Bicycle Tyre Repair Adhesive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** SUZHOU EASTWINDINNOVATIONS.,LTD
- **Name:** Daichangjin
- **Full address:** ROOM 2005 GOLD RIVER CENTER 88 SHISHAN ROAD NEW DISTRICT,SUZHOU, CHINA
- **Phone number:** +86-512-68187838
- **FAX:** +86-512-68180350
- **Further information obtainable from:** SUZHOU EASTWINDINNOVATIONS.,LTD
- **Emergency telephone number:** +86-512-68187838
- **Email:** dcj@eastwindinnovations.com
- **Reference Number:** SCATR1104000194; GZ1104039368/CHEM.

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R38: Irritating to skin.



N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R10-67: Flammable. Vapours may cause drowsiness and dizziness.

- **Information concerning particular hazards for human and environment:**

The product has been classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008.

- **Classification system:**

The classification is according to the latest edition of the Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008, and extended by company and literature data.

- **Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS02 GHS07 GHS09

· **Signal word** Warning· **Hazard statements**

H226 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**

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P303+P361+P353 **IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.**

P403 Store in a well-ventilated place.

· **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 the substances listed below with nonhazardous additions.

For the wording of listed risk phrases refer to section 16.

· **Dangerous components:**

CAS: 142-82-5 EINECS: 205-563-8 EU number: 601-008-00-2	heptane ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R50/53 R67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	93,9%
CAS: 108-87-2 EINECS: 203-624-3 EU number: 601-018-00-7	methylcyclohexane ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R51/53 R67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	0,8%
CAS: 589-34-4 EINECS: 209-643-3 EU number: 601-008-00-2	3-methylhexane ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R50/53 R67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	0,4%
CAS: 591-76-4 EINECS: 209-730-6 EU number: 601-008-00-2	2-methylhexane ☒ Xn R65; ☒ Xi R38; ☒ F R11; ☒ N R50/53 R67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	0,3%

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· Non-dangerous components:

9003-31-0 | polyisoprene

4,6%

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

· 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:

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)**· Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

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 source.

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.

Prevent formation of aerosols.

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- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Protect from heat and direct sunlight.
Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s):** No further relevant information available.

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:**

142-82-5 heptane

IOELV (EU)	2085 mg/m ³ , 500 ppm
PEL (USA)	2000 mg/m ³ , 500 ppm
REL (USA)	Short-term value: C 1800* mg/m ³ , C 440* ppm Long-term value: 350 mg/m ³ , 85 ppm *15-min
TLV (USA)	Short-term value: 2050 mg/m ³ , 500 ppm Long-term value: 1640 mg/m ³ , 400 ppm
MAK (Germany)	2100 mg/m ³ , 500 ppm vgl. Abschn. XII

- **DNELs:** Not available
- **PNECs:** Not available
- **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.
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.
Use suitable respiratory protective device in case of insufficient ventilation.
- **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.
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

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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:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General information**

- **Appearance**

Form: Viscous Liquid

Colour: Yellow

- **Odour:** Penetrating Odor (Slight)

- **Odour threshold:** Not available

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range: Not available

Boiling point/Boiling range: 60°C

- **Freezing point:** Not available

- **Flash point:** 23°C

- **Flammability (solid, gaseous):** Not available

- **Ignition temperature:** Not available

- **Decomposition temperature:** Not available

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits**

Lower: Not available

Upper: Not available

- **Oxidizing properties:** Not available

- **Vapour pressure:** Not available

- **Density:** Not available

- **Relative density:** Not available

- **Vapour density:** Not available

- **Evaporation rate:** Not available

- **Solubility in / Miscibility with water:**

Insoluble.

- **organic solvents:** Soluble in methanol and acetone

- **Segregation coefficient (n-octanol/water):** Not available.

- **Viscosity**

Dynamic: $> 7 \times 10^{-6} \text{m}^2/\text{S}$ (ISO 3104/3105)

Kinematic: Not determined.

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· **Other information:** No further relevant information available.

10 Stability and reactivity

- **Reactivity:** Data not available
- **Chemical stability:** Data not available
- **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**

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

108-87-2 methylcyclohexane

Oral	LD50	2250 mg/kg (mouse)
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- **Primary irritant effect**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect possible.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **Toxicokinetics, metabolism and distribution:** No further relevant information available
- **Acute effects (acute toxicity, irritation and corrosivity):** No further relevant information available
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** Not available

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available
- **Behaviour in environmental systems:** No further relevant information available
- **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.

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· **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.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· Land transport ADR/RID (cross-border)



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1133
- **Packaging group:** III
- **Hazard label:** 3
- **Special marking:** Symbol (fish and tree)
- **UN proper shipping name:** 1133 ADHESIVES, ENVIRONMENTALLY HAZARDOUS
- **Limited quantities (LQ):** 5L
- **Transport category:** 3
- **Tunnel restriction code:** D/E

· Maritime transport IMDG



- **IMDG Class:** 3
- **UN Number:** 1133
- **Label:** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-D
- **Marine pollutant:** Yes
Symbol (fish and tree)
- **Proper shipping name:** ADHESIVES (HEPTANES, METHYLCYCLOHEXANE)

· Air transport ICAO-TI and IATA-DGR



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1133
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** ADHESIVES

- **UN "Model Regulation":** UN1133, ADHESIVES, ENVIRONMENTALLY HAZARDOUS, 3, III
- **Environmental hazards:** Product contains environmentally hazardous substances: heptane
- **Special precautions for user:** Warning: Flammable liquids.

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

15 Regulatory information

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

· **Section 335(extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313(specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA(Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**· **Chemical known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenicity categories**· **EPA(Environmental Protection Agency)**

142-82-5 | heptane

D

· **IARC(International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP(National toxicology Program)**

None of the ingredients is listed.

· **TLV(Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **MAK(German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca(National Institution for Occupational Safety & Health)**

None of the ingredients is listed.

· **OSHA-Ca(Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **National regulations**· **Other regulations, limitations and prohibitive regulations**· **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (15/12/2010)**

None of the ingredients is listed

· **REACH Regulation Annex XVII Restriction (21/5/2011) None of the ingredients is listed**· **REACH Regulation Annex XIV Authorisation List (18/2/2011) None of the ingredients is listed**· **Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**

16 Other information

· *****
The contents and format of this MSDS/SDS are in accordance with REGULATION(EC) No. 1272/2008. (EC) No. 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

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The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

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.

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.

R11 Highly flammable.

R38 Irritating to skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

VOC: Volatile Organic Compounds (USA, EU)

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

End of document

EU