

# MATERIAL SAFETY DATA SHEET

Date : 18/05/2017

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Name : Vulcanizing patch kit – RP-44000-C & RP-44000-B

Company : VAR

## 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance or preparation:

Name: Vulcanizing patch kit – Rubber solution

Product code: RP-44000-B RP-44000-C

### Company/undertaking identification:

Registered company name: VAR.

Address: 19 AVENUE GUSTAVE EIFFEL 28630 GELLAINVILLE - FRANCE

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Association/Organisation: INRS/ORFILA <http://www.centres-antipoison.net>.

## 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.



GHS08 health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

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



T; Toxic

R45-46: May cause cancer. May cause heritable genetic damage.



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.



N; Dangerous for the environment

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

R10: Flammable.

### · Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008.

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## 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.

### · Hazard pictograms



GHS02

GHS08

GHS09

### · Signal word Danger

### · Hazard-determining components of labelling:

solvent naphtha (petroleum), light aliph.

### · Hazard statements

H226 Flammable liquid and vapour.

H340 May cause genetic defects.

H350 May cause cancer.

H304 May be fatal if swallowed and enters airways.

H411 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.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### · Additional information:

Important! This product contains substance that is of restricted use under Annex XVII of Regulation (EC) No.1907/2006. For details, please refer to Section 15 and 16 of this Safety Data Sheet.

### · 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: 64742-89-8 EINECS: 265-192-2 EU number: 649-267-00-0	CAS: 64742-89-8 EINECS: 265-192-2 EU number: 649-267-00-0 solvent naphtha (petroleum), light aliph. T Carc. Cat. 2, Muta. Cat. 2 R45-46; Xn R65 Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	80,0%
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CAS: 9006-04-6 EINECS: 232-689-0	rubber, natural substance with a Community workplace exposure limit	7,0%
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	3,0%
CAS: 110-54-3 EINECS: 203-777-6 EU number: 601-037-00-0	n-hexane Xn R48/20-62-65; Xi R38; F R11; N R51/53 R67 Repr. Cat. 3 Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	2,0%
CAS: 64742-16-1 EINECS: 265-116-8	petroleum resins	8,0%

## 4 - FIRST AID MEASURES

### · **Description of first aid measures**

#### · **After inhalation:**

Remove victim to fresh air. If not breathing administer artificial respiration. Seek medical attention immediately.

#### · **After skin contact:**

Wash contacted area with soap and water. If available use a hand cleaner rated for the removal of adhesives, seek medical attention if irritation of the effected area persists.

#### · **After eye contact:**

Seek medical attention immediately. If eyelids can be opened flush for at least 15 minutes with water.

#### · **After swallowing:**

Do not induce vomiting; call for medical help immediately. Never give anything by mouth to an unconscious person. Rinse out mouth with water.

#### · **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 - FIRE-FIGHTING MEASURES

### · **Extinguishing media**

#### · **Suitable extinguishing agents:**

CO<sub>2</sub>, 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**

· **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 source.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

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## · **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 item 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.

Open and handle receptacle with care.

Prevent formation of aerosols.

#### · **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

#### · **Storage:**

· **Conditions for safe storage, including any incompatibilities**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **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:**

#### **9006-04-6 rubber, natural**

TLV (USA) 0,0001\* mg/m<sup>3</sup>

Skin; SEN;\*as inhalable fraction

MAK (Germany) vgl.Abschn.IV

#### **142-82-5 heptane**

IOELV (EU) 2085 mg/m<sup>3</sup>, 500 ppm

PEL (USA) 2000 mg/m<sup>3</sup>, 500 ppm

REL (USA) Short-term value: C 1800\* mg/m<sup>3</sup>, C 440\* ppm

Long-term value: 350 mg/m<sup>3</sup>, 85 ppm

\*15-min

TLV (USA) Short-term value: 2050 mg/m<sup>3</sup>, 500 ppm

Long-term value: 1640 mg/m<sup>3</sup>, 400 ppm

MAK (Germany) 2100 mg/m<sup>3</sup>, 500 ppm

vgl.Abschn.XII

#### **110-54-3 n-hexane**

IOELV (EU) 72 mg/m<sup>3</sup>, 20 ppm

PEL (USA) 1800 mg/m<sup>3</sup>, 500 ppm

REL (USA) 180 mg/m<sup>3</sup>, 50 ppm

TLV (USA) 176 mg/m<sup>3</sup>, 50 ppm

Skin; BEI

AGW (Germany) 180 mg/m<sup>3</sup>, 50 ppm

8(II);DFG, EU, Y

· **DNELs:** Not available

· **PNECs:** Not available

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

### · **Exposure controls**

· **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

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## · **Personal protective equipment**

### · **Exposure controls**

· **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

### · **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.

Store protective clothing separately.

#### · **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.

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 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:** Light white

· **Odour:** Solvent odor

· **Odour threshold:** Not available

· **pH-value:** Not available

##### · **Change in condition**

**Melting point/Melting range:** Not available

**Boiling point/Boiling range:** 90-100 °C

· **Freezing point:** Not available

· **Flash point:** Not available

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

· **Auto-ignition temperature:** Not available

· **Decomposition temperature:** Not available

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

· **Explosive properties:** Product does not present an explosion hazard.

##### · **Explosion limits**

**Lower:** 1,2 Vol %

**Upper:** 7,0 Vol %

· **Oxidizing properties:** Not available

· **Vapour pressure at 20 °C:** 29 hPa

· **Density at 15,5 °C:** 0,7 g/cm<sup>3</sup>

· **Relative density:** Not available

· **Vapour density:** Not available

· **Evaporation rate:** Not available

· **Solubility in / Miscibility with water:** Insoluble.

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

##### · **Viscosity**

**Dynamic:** Not available.

**Kinematic:** Not available

· **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:**

**110-54-3 n-hexane**

Oral LD50 25000 mg/kg (rat)

- **Primary irritant effect**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **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:

Carcinogenic.

The product can cause inheritable damage.

- **Toxicokinetics, metabolism and distribution:** No further relevant information available
- **Acute effects (acute toxicity, irritation and corrosivity):** No further relevant information available
- **Repeated dose toxicity:** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**  
No further relevant information available.

**12 - ECOLOGICAL INFORMATION**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** 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.
- **Remark:** Toxic for fish

**Additional ecological information****General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

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

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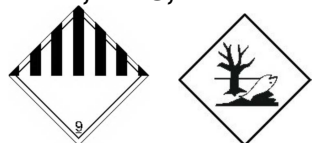
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## 14. TRANSPORT INFORMATION

### **UN-Number**

- **ADR, IMDG, IATA** UN3082
- **UN proper shipping name**
- **ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEPTANES, HEXANES)
- **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEPTANES, HEXANES), MARINE POLLUTANT
- **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEPTANES, HEXANES)
- **Transport hazard class(es)**
- **ADR, IMDG, IATA**



- **Class 9** Miscellaneous dangerous substances and articles.
- **Label 9**
- **Packing group**
- **ADR, IMDG, IATA** III
- **Environmental hazards** Product contains environmentally hazardous substances: heptane
- **Marine pollutant:** Yes
- **Symbol** (fish and tree)
- **Special marking (ADR):** Symbol (fish and tree)
- **Special marking (IATA):** Symbol (fish and tree)
- **Special precautions for user:** Warning: Miscellaneous dangerous substances and articles.
- **Danger code (Kemler):** 90
- **EMS Number:** F-A,S-F
- **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
- **Tunnel restriction code:** E
- **Remarks:** ORM-D(USA Retail Packaging under 66lbs./30Kg)
- **UN "Model Regulation":** UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (HEPTANES, HEXANES), 9, III

## 15 - REGULATORY INFORMATION

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **MAK(German Maximum Workplace Concentration)**  
None of the ingredients is listed.
- **National regulations**
- **Information about limitation of use:**  
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
- **Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (18/6/2012)**  
None of the ingredients is listed
- **REACH Regulation Annex XVII Restriction (19/9/2012)**  
*n*-hexane (CAS No.: 110-54-3); heptane (CAS No.:142-82-5)
- **REACH Regulation Annex XIV Authorisation List (14/2/2012)** None of the ingredients is listed
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 - OTHER INFORMATION****· Recommended restriction of use**

REACH Annex XVII Restricted-40

Substances meeting the criteria of flammability in Directive 67/548/ EEC and classified as flammable, highly flammable or extremely flammable regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopee" cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

"For professional users only".

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC (\*\*).

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

(\*\*) OJ L 147, 9.6.1975, p. 40.

**· 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.

H340 May cause genetic defects.

H350 May cause cancer.

H361f Suspected of damaging fertility.

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

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.

R45 May cause cancer.

R46 May cause heritable genetic damage.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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.

R62 Possible risk of impaired fertility.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

\*\*\*\*\*  
The contents and format of this MSDS/SDS are in accordance with REGULATION (EC) No. 1272/2008, (EC) No. 1907/2006, REGULATION (EU) No. 453/2010 and EU Commission Directive 1999/45/EC, 67/548/EEC.

**DISCLAIMER OF LIABILITY**

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.

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· **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)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonized System of Classification and Labelling of Chemicals*

*DNEL: Derived No-Effect Level (REACH)*

*PNEC: Predicted No-Effect Concentration (REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

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