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| Date of issue: 15.5.2015 | Trade name: | Page: 1/9 |
| Reviewed on: | NUTLOCK | Version: 1.0 |

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

- 1.1. Product identifier:
Trade name: **NUTLOCK**
Product code: **R 34702**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Relevant identified uses of the mixture: Securing putty
For professional and industrial use only
Uses advised against: No further relevant information available.
- 1.3. Details of the supplier of the safety data sheet:
Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha 5 - Stodůlky
CZECH REPUBLIC
Telephone number/Fax: +420 327 596 128, +420 327 596 428
E-mail: info@retech.cz
- 1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, CZECH REPUBLIC
Telephone number: +420 327 596 128 (7.30-16.00 hour)
Toxikologické informační středisko, Na bojišti 1, 128 08 PRAHA 2, CZECH REPUBLIC
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2. Hazard identification:

- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008 [CLP]:
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.
Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
Xi Irritant R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitisation by skin contact.
N Dangerous for the environment R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- 2.2. Label elements:
Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal Word: Warning

Hazard Statements:
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

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Precautionary Statements:

- P102 Keep out of reach of children.
P261 Avoid breathing vapours.
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 and soap.
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.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulation.

Labelling of packages where the contents do not exceed 125 ml (Point 1.5 of Annex I to CLP Regulation)



Hazard Statements:

- H317 May cause an allergic skin reaction.

Precautionary Statements:

- P102 Keep out of reach of children.
P261 Avoid breathing vapours.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Contained dangerous substances (Article 18 of CLP Regulation):

27813-02-1 2-hydroxy propyl methacrylate; 114-83-0 2'-phenylacetohydrazide

2.3. Other hazards:

Results of PBT and vPvB assessment:

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

| | | |
|--|--|---------|
| CAS: 38640-62-9 EINECS: 254-052-6 Reg.: 01-2119565150-48 | Bis(isopropyl)naphthalene Xn R65; N R51/53 Asp. Tox. 1, H304; Aquatic Chronic 1, H410 | 25-50 % |
| CAS: 27813-02-1 EINECS: 248-666-3 Reg.: 01-2119490226-37 | 2-hydroxy propyl methacrylate Xi R36; R43 Eye Irrit. 2, H319; Skin Sens. 1, H317 | 5-10 % |
| CAS: 80-15-9 EINECS: 201-524-7 Reg.: 01-211947596-19 | Cumene hydroperoxide O R7; Xn R21/22, R48/20/22; T R23; C R34; N R51/53 Org. Perox. E, H242; Acute Tox. 3, H331; Acute Tox. 4, H312, H302; STOT RE 2, H373; Skin Corr. 1B, H314; Aquatic Chronic 2, H411 | 1-3 % |
| CAS: 79-10-7 EINECS: 201-177-9 Reg.: 01-2119452449-31 | Acrylic acid R10; Xn R20/21/22; C R35; N R50 Flam. Liq. 3, H226; Acute Tox. 4, H332, H312, H302; Skin Corr. 1A, H314; Aquatic Acute 1, H400 | <1 % |

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| | | |
|--|---|------|
| CAS: 128-37-0 EINECS: 204-881-4 Reg.: 01-2119565113-46, 01-2119480433-40, 01-2119555270-46 | 2,6-di-tert-butyl-p-cresol N R50/53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | <1 % |
| CAS: 99-97-8 EINECS: 202-805-4 Reg.: 01-2119937766-23 | N,N-dimethyl-p-toluidine T R23/24/25; Xn R33; R52/53 Acute Tox. 2, H330; Acute Tox. 2, H311, H301; STOT RE 2, H373; Aquatic Chronic 3, H412 | <1 % |
| CAS: 114-83-0 EINECS: 204-055-3 | 2'-phenylacetohydrazide Xn R20/21/22; Xn R40; Xi R36/37/38; Sens. R43 Acute Tox. 3, H301; Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2, H319; Skin Sens. 1, H317 | <1 % |

For full text of H-statements and R-phrases: see SECTION 16.

4. Section 4. First aid measures:

4.1. Description of first aid measures:

- After inhalation: Move the exposed person to fresh air at once ensuring one's own safety whilst doing so.
- After skin contact: Take off immediately all contaminated clothing.
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, get medical advice/attention.
- After eye contact: Rinse eyes for several minutes under running water, holding the eyelid open.
Remove contact lenses, if present and easy to do.
Consult a doctor.
- After swallowing: Do not induce vomiting.
Rinse mouth with plenty of water and drink large amount of water.
Consult a doctor.

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

- Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
- Skin contact: There may be irritation and redness at the site of contact.
An itchy rash may occur at the site of contact.
- Eye contact: There may be irritation and redness. The eyes may water profusely.
- Ingestion: There may be soreness and redness of the mouth and throat.
Nausea and stomach pain may occur.

4.3. Indication of any immediate medical attention and special treatment needed:

- Ensure eye bath is to hand.

5. Section 5. Fire fighting measures:

5.1. Extinguishing media:

- Suitable extinguishing agents: Carbon dioxide, fire-extinguishing powder, alcohol-resistant foam.
- For safety reasons unsuitable extinguishing agents:
Do not use water.

5.2. Special hazards arising from the substance or mixture:

- In combustion emits toxic fumes of carbon monoxide, carbon dioxide or nitrogen oxides.

5.3. Advice for firefighters:

- Wear protective clothing and self-contained breathing apparatus.
Cool endangered receptacles with water spray.

6. Section 6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures:

- Wear protective equipment (see Section 8).
Keep ignition sources away.
Keep unprotected persons away.

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- 6.2. Environmental precautions: Turn leaking containers leak-side up to prevent the escape of liquid.
Do not discharge into drains or rivers.
Contain the spillage using bunding.
Inform respective authorities in case of seepage into water course or sewage system.
- 6.3. Methods and material for containment and cleaning up:
Ensure adequate ventilation.
Absorb into dry earth or sand.
Transfer to a closable, labelled salvage container for disposal by an appropriate method.
Dispose contaminated material as waste according to Section 13.
- 6.4. 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. Section 7. Handling and storage:

- 7.1. Precautions for safe handling: Use protective equipment (see Section 8).
Avoid contact with skin and eyes.
Ensure good ventilation/exhaustion at the workplace.
Do not handle in a confined space.
Avoid the formation or spread of mists in the air.
- Measures to prevent fire: Keep ignition sources away.
- 7.2. Conditions for safe storage including any incompatibilities:
Technical measures and storage conditions:
Store in a cool, well-ventilated place.
Requirements for storage rooms and vessels:
Store in a cool, well-ventilated place.
Store only in the original container.
Keep container tightly sealed.
Further information on storage conditions:
Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

8. Section 8. Exposure controls/personal protection:

- 8.1. Control parameters:
Components with limit values that require monitoring at the workplace:
WEL (United Kingdom): EH40/2005

| CAS | Substance | Long-term (8-hr TWA ref. period) | | Short-term (15 minute ref. period) | | Comments |
|----------|----------------------------|-------------------------------------|-------------------|---------------------------------------|-------------------|----------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | |
| 128-37-0 | 2,6-Di-tert-butyl-p-cresol | - | 10 | - | - | - |
| 79-10-7 | Acrylic acid | - | 30 | - | 60 | - |

Additional information: The lists that were valid during the compilation were as basis.

- 8.2. Exposure controls:
Measures to prevent exposure: Ensure good ventilation/exhaustion at the workplace.
General protective measures: The usual precautionary measures should be adhered to general rules for handling chemicals.
Personal protection equipment:
Breathing equipment: Use suitable respiratory protective device in case of insufficient ventilation.
In case of brief exposure or low pollution use respiratory filter device.
Gas/Vapour filter, type A
In case of intensive or longer exposure use self-contained respiratory protective device.
Eye protection: Safety goggles. Ensure eye bath is to hand.
Protection of hands: Protective gloves

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Material of gloves: Neoprene, nitrile. Do not use PVC gloves, as they absorb (meth)acrylates.
Protective suit.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form: Liquid
 Colour: Blue
 Odour: Characteristic
 Odour threshold: Not determined
 Value pH at 20 °C: ~5
 Melting point/freezing point: Not determined
 Initial boiling point/boiling range: Not determined
 Flash point: >100 °C
 Evaporation rate: Negligible.
 Flammability (solid, gas): Not applicable
 Explosive properties: Not determined
 Explosive limits:
 – lower: Not applicable
 – upper: Not applicable
 Vapour pressure at 20°C: ~0.1 mm Hg
 Vapour density at 20 °C: Not determined
 Density at 20°C: Not determined
 Relative density: ~1.04
 Solubility in/miscibility with:
 – water Insoluble
 – also soluble in Acetone
 Partition coefficient (n-octanol/water): Not determined
 Ignition temperature: Not determined
 Decomposition temperature: Not determined
 Self-igniting: Not determined
 Viscosity: Viscous
 ~14.000 cPs
 Oxidising properties: Non-oxidising (by EC criteria)

9.2. Other information: No further relevant information available.

10. Section 10. Stability and reactivity:

10.1. Reactivity: Stable under recommended transport or storage conditions.
 10.2. Chemical stability: Stable under normal conditions.
 10.3. Possibility of hazardous reactions:
 Hazardous reactions will not occur under normal transport or storage conditions.
 Decomposition may occur on exposure to conditions or materials listed below.
 10.4. Conditions to avoid: Heat. Direct sunlight. Sources of ignition.
 10.5. Incompatible materials: Strong oxidising agents. Strong acids. Free-radical initiators. Copper.
 10.6. Hazardous decomposition products:
 In combustion emits toxic fumes of carbon monoxide, carbon dioxide or nitrogen oxides.

11. Section 11. Toxicological information:

11.1. Information on toxicological effects:

Acute toxicity:
 LD/LC50 values relevant for classification:
 38640-62-9 Bis(isopropyl)naphthalene

| | | | |
|------|------|-----|------------|
| Oral | LD50 | Rat | 3900 mg/kg |
|------|------|-----|------------|

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27813-02-1 2-hydroxy propyl methacrylate

| | | | |
|------|------|-------|------------|
| Oral | LD50 | Mouse | 7964 mg/kg |
|------|------|-------|------------|

80-15-9 Cumene hydroperoxide

| | | | |
|--------------|---------|-------|-----------|
| Oral | LDLo | Mouse | 5 mg/kg |
| | LD50 | Rat | 382 mg/kg |
| Subcutaneous | LD50 | Rat | 382 mg/kg |
| Vapours | LC50/4h | Rat | 220 ppm |

79-10-7 Acrylic acid

| | | | |
|-----------------|------|-------|------------|
| Intraperitoneal | LD50 | Rat | 22 mg/kg |
| Oral | LD50 | Mouse | 830 mg/kg |
| | LD50 | Rat | 1250 mg/kg |
| Subcutaneous | LD50 | Mouse | 1590 mg/kg |

128-37-0 2,6-di-tert-butyl-p-cresol

| | | | |
|--------|------|--------|-------------|
| Dermal | LD50 | Rabbit | >2000 mg/kg |
| Oral | LD50 | Rat | >2930 mg/kg |

99-97-8 N,N-dimethyl-p-toluidine

| | | | |
|-----------------|------|-------|-----------|
| Intraperitoneal | LD50 | Mouse | 212 mg/kg |
|-----------------|------|-------|-----------|

Relevant effects for mixture:

| Effect | Route | Basis |
|---------------|--------------------------------|-----------------------|
| Irritation | Ophthalmic, inhalation, dermal | Hazardous: calculated |
| Sensitisation | Dermal | Hazardous: calculated |

Skin corrosion/irritation: Causes skin irritation.
 Serious eye damage/irritation: Causes serious eye irritation.
 Respiratory or skin sensitization: May cause an allergic skin reaction.
 Germ cell mutagenicity: No further relevant information available.
 Carcinogenicity: No further relevant information available.
 Reproductive toxicity: No further relevant information available.
 STOT-single exposure: May cause respiratory irritation.
 STOT-repeated exposure: No further relevant information available.
 Aspiration hazard: No further relevant information available.
 Other information: Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
 Skin contact: There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.
 Eye contact: There may be irritation and redness. The eyes may water profusely.
 Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

12. Section 12. Ecological information:

- 12.1. Toxicity:
 Aquatic toxicity: No further relevant information available.
- 12.2. Persistence and degradability: Biodegradable.
- 12.3. Bioaccumulative potential: No bioaccumulation potential.
- 12.4. Mobility in soil: Non-volatile. Heavier than water.
- 12.5. Results of PBT and vPvB assessment:
 This mixture does not contain any substances that are assessed to be a PBT or a vPvB
- 12.6. Other adverse effects: No further relevant information available.

13. Section 13. Disposal considerations:

- 13.1. Waste treatment methods:
 Product: Must not be disposed together with household garbage.
 Transfer to a suitable container and arrange for collection by specialised disposal

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Uncleaned packagings: company.
Dispose in safe manner in accordance with local/national regulation.
Disposal must be made according to official regulations.

14. Section 14. Transport information:

- 14.1. UN number:
ADR, IMDG, IATA UN 3082
- 14.2. UN proper shipping name:
ADR ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- 14.3. Transport hazard class(es):
ADR
Class: 9 Miscellaneous dangerous substances and articles
Hazard label: 9
IMDG, IATA
Class: 9
Hazard label: 9
- 14.4. Packing group: III
- 14.5. Environmental hazards:
Environmentally hazardous: Yes
- 14.6. Special precautions for user: No special precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable
- Transport/ Additional information:
Transport category 3
Tunnel restriction code E
UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

15. Section 15. Regulatory information:

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

Used legislation:
Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended
Directive 67/548/EEC and Directive 1999/45/EC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP), as amended
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
- 15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16. Other information:

Relevant R-phrases and H-statements (Section 3):
R7 May cause fire.
R10 Flammable.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R21/22 Harmful in contact with skin and if swallowed.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R23 Toxic by inhalation.
R33 Danger of cumulative effects.
R34 Causes burns.
R35 Causes severe burns.
R36/37/38 Irritating to eyes, respiratory system and skin.

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R36 Irritating to eyes.
R40 Possible risks of irreversible effects.
R43 May cause sensitisation by skin contact.
R48/20/22 Harmful: danger of very serious damage to health by prolonged exposure through inhalation and if swallowed.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: May cause lung damage if swallowed.
H226 Flammable liquid and vapour.
H242 Heating may cause a fire.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

Acute Tox. 1 Acute toxicity, category 1
Acute Tox. 2 Acute toxicity, category 2
Acute Tox. 3 Acute toxicity, category 3
Acute Tox. 4 Acute toxicity, category 4
Aquatic Acute 1 Hazardous to the aquatic environment, category 1
Aquatic Chronic 1 Hazardous to the aquatic environment, category 1
Aquatic Chronic 2 Hazardous to the aquatic environment, category 2
Aquatic Chronic 3 Hazardous to the aquatic environment, category 3
C Corrosive
Eye Irrit. 2 Serious eye irritation, category 2
Flam. Liq. 3 Flammable liquid, category 3
LC50 Median concentration lethal to 50 % of a test population
LD50 Median dose lethal to 50 % of a test population
LDLo Lowest detected lethal dose
N Dangerous for the environment
N.O.S. Not Otherwise Specified entry
O Oxidizing
Org. Perox. E Organic peroxide, type E
PBT Persistent, Bioaccumulative, Toxic
Skin Corr. 1 Skin corrosion, category 1
Skin Irrit. 2 Skin irritation, category 2
Skin. Sens. 1 Skin sensitization, category 1
STOT RE 2 Specific target organ toxicity — repeated exposure, category 2
STOT SE 3 Specific target organ toxicity — single exposure, category 3
T Toxic
TWA Time weighted average

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vPvB Very Persistent, Very Bioaccumulative
WEL Workplace exposure limits
Xi Irritant
Xn Harmful

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Compared to the last version the data has been changed.**