

Date of issue: 10.5.2016	Trade name:	Page: 1/7
Reviewed on:	OIL TOLERANT RETAINER	Version: 1.0

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

1.1. Product identifier:

Trade name: **OIL TOLERANT RETAINER**
Product code: **1 35128**

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Uses of the mixture: Adhesive.
For professional and industrial use only.
Uses advised against: Not known.

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
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)
Toxicologické informační středisko (Toxicology information centre),
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.

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.

Precautionary Statements:

P102 Keep out of reach of children.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulation.

Contained dangerous substances:

868-77-9 2-hydroxyethyl methacrylate; 97-86-9 isobutyl-methacrylate; 46729-07-1 4-(1,1-dimethylethyl)cyclohexyl methacrylate

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- 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: 868-77-9 EINECS: 212-782-2 Reg. nr.: 01-2119490169-29-0000	2-Hydroxyethyl methacrylate Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	10 - 30 %
CAS: 97-86-9 EINECS: 202-613-0 Reg. nr.: 01-2119488331-38-0000	Isobutyl-methacrylate Flam. Liq. 3, H226; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Acute 1, H400	1 - 10 %
CAS: 46729-07-1 EINECS: 256-277-5	4-(1,1-Dimethylethyl)cyclohexyl methacrylate Eye Irrit. 2, H319; STOT SE 3, H335; Skin Irrit. 2, H315	1 - 10 %
CAS: 7631-86-9 EINECS: 231-545-4	Amorphous Silica (silicon dioxide) Substance with a Community workplace exposure limit.	1 - 10 %
CAS: 635-46-1 EINECS: 211-237-6	1,2,3,4-Tetrahydroquinoline Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	< 1 %
CAS: 80-15-9 EINECS: 201-524-7	α,α -dimethylbenzyl hydroperoxide; cumene hydroperoxide * Org. Perox. EF, H242; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Corr. 1B, H314; Acute Tox. 3, H331; STOT RE 2, H373; Aquatic Chronic 2, H411	< 1 %

*Specific concentration limit: Skin Irrit. 2; H315: $3\% \leq C < 10\%$; Eye Irrit. 2; H319: $1\% \leq C < 3\%$; Skin Corr. 1B; H314: $C \geq 10\%$; STOT SE 3; H335: $C < 10\%$; Eye Dam. 1; H318: $3\% \leq C < 10\%$
For full text of H-statements: see SECTION 16.

4. Section 4. First aid measures:

- 4.1. Description of first aid measures:
General notes: When in doubt or if symptoms are observed, get medical advice.
After inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.
After skin contact: Wash immediately with plenty of water and soap and rinse thoroughly. Take off immediately all contaminated clothing.
After eye contact: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a doctor.
After swallowing: Rinse mouth with plenty of water. Consult a doctor.
- 4.2. Most important symptoms and effects, both acute and delayed:
See section 11.
- 4.3. Indication of any immediate medical attention and special treatment needed:
Emergency eyewash equipment should be available for immediate use.

5. Section 5. Fire fighting measures:

- 5.1. Extinguishing media:
Suitable extinguishing agents: Use fire fighting measures that suit the environment.
Unsuitable extinguishing agents: No further relevant information available.

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<p>5.2. Special hazards arising from the substance or mixture:</p> <p>5.3. Advice for firefighters:</p>	<p>In combustion emits toxic fumes.</p> <p>Wear protective clothing and self-contained breathing apparatus. Cool endangered receptacles with water spray.</p>
<p>6. Section 6. Accidental release measures:</p>	
<p>6.1. Personal precautions, protective equipment and emergency procedures:</p> <p>6.2. Environmental precautions:</p> <p>6.3. Methods and material for containment and cleaning up:</p> <p>6.4. Reference to other sections:</p>	<p>Wear protective equipment, see Section 8. Keep unprotected person away. Turn leaking containers leak-side up to prevent the escape of liquid.</p> <p>Do not allow to enter sewage system, surface or ground water. Contain the spillage using bunding.</p> <p>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.</p> <p>See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</p>
<p>7. Section 7. Handling and storage:</p>	
<p>7.1. Precautions for safe handling:</p> <p>7.2. Conditions for safe storage, including any incompatibilities:</p> <p>7.3. Specific end use(s):</p>	<p>Protective measures: Wear protective equipment, see Section 8. Ensure good ventilation/exhaustion at the workplace. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Avoid contact with skin and eyes.</p> <p>Measures to prevent fire: No further relevant information available.</p> <p>Requirements for storage rooms and vessels: Store in a cool, well-ventilated place. Keep container tightly closed.</p> <p>Technical measures and storage conditions: Store in a cool, well-ventilated place.</p> <p>Further information on storage conditions: No further relevant information available.</p> <p>Adhesives, sealants.</p>
<p>8. Section 8. Exposure controls/personal protection:</p>	
<p>8.1. Control parameters:</p> <p>8.2. Exposure controls:</p>	<p>Components with limit values that require monitoring at the workplace: WEL (United Kingdom): EH40/2005 Contains no substances with occupational exposure limit values. OEL (EU): 2000/39/EG, 2006/15/EG, 2009/161/EG Contains no substances with occupational exposure limit values. Additional information: The lists that were valid during the compilation were as basis.</p> <p>Technical measures to prevent exposure: Ensure good ventilation/exhaustion at the workplace. Ensure eye bath is to hand.</p> <p>General protective measures: The usual precautionary measures should be adhered to general rules for handling chemicals. Do not inhale vapours. Avoid contact with skin, eyes.</p>

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Personal protection equipment:

Respiratory protection:	Respiratory protection usually not required with adequate ventilation. Self-contained breathing apparatus must be available in case of emergency.
Eye protection:	Tightly sealed goggles.
Hand protection:	Protective gloves.
Skin protection:	Protective clothing.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Green
Odour:	Characteristic
Odour threshold:	Not determined.
Value pH at 20 °C:	Not determined.
Melting point/freezing point:	Not determined.
Initial boiling point/boiling range:	Not determined.
Flash point:	> 100 °C
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not determined.
Explosive properties:	Not determined.
Explosive limits:	
– lower:	Not determined.
– upper:	Not determined.
Vapour pressure at 20°C:	Not determined.
Vapour density at 20 °C:	Not determined.
Density at 20°C:	Not determined.
Relative density:	1.023
Solubility in/miscibility:	Insoluble in water.
Partition coefficient (n-octanol/water):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-ignition temperature:	Not determined.
Viscosity:	Not determined.
Oxidising properties:	Not determined.

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.
10.5. Incompatible materials:	Strong acids, strong oxidising agents.
10.6. Hazardous decomposition products:	In combustion emits toxic fumes.

11. Section 11. Toxicological information:

11.1. Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

868-77-9 2-Hydroxyethyl methacrylate

Oral	LD50	rat	> 5000 mg/kg
Dermal	LD50	rabbit	> 3000 mg/kg

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97-86-9 Isobutyl-methacrylate

Oral	LD50	rat	> 5000 mg/kg
Gases	LD50	mouse	29.7 mg/l

46729-07-1 4-(1,1-Dimethylethyl)cyclohexyl methacrylate

Oral	LD50	rat	> 2000 mg/kg
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7631-86-9 Amorphous Silica (silicon dioxide)

Oral	LD50	rat	> 1000 mg/kg
Dermal	LD50	rat	> 2000 mg/kg

80-15-9 Cumene hydroperoxide

Oral	LD50	rat	382 mg/kg
	LDLo	mouse	5 mg/kg
Subcutaneous	LD50	rat	382 mg/kg

Relevant hazards for mixture:

Hazard	Route	Basis
Irritation	Eyes, inhalation, skin	Hazardous: calculated
Sensibilization	Skin	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:	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 respiratory irritation.
STOT - repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Other information:	
After inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
After skin contact:	There may be irritation and redness at the site of contact.
After eye contact:	There may be irritation and redness. The eyes may water profusely.
After swallowing:	There may be soreness and redness of the mouth and throat.
	Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12. Section 12. Ecological information:

12.1. Toxicity:

Aquatic toxicity: No further relevant information available.

868-77-9 2-Hydroxyethyl methacrylate

Fish:	LC50/96 h	Oryzias latipes	> 100 mg/l
Invertebrates:	EC50/48 h	Daphnia magna	380 mg/l
Algae:	EC50/72 h	Selenastrum capricornutum	836 mg/l
Other organisms:	EC50/16 h	Pseudomonas fluorescens	> 3000 mg/l

97-86-9 Isobutyl-methacrylate

Fish:	LC50/96 h	Onchorhynchus mykiss	20 mg/l
Invertebrates:	EC50/48 h	Daphnia magna	> 29 mg/l
Algae:	IC50/72 h	Selenastrum capricornutum	16 mg/l

12.2. Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil: Readily absorbed into soil.

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: Negligible ecotoxicity.

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13. Section 13. Disposal considerations:

13.1. Waste treatment methods:

Product disposal:	Transfer to a suitable container and arrange for collection by specialised disposal company. Must not be disposed together with household garbage. Do not allow product to reach sewage system. European Waste Catalogue: 08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances (*hazardous waste)
Packagings disposal:	Disposal must be made according to official regulations. European Waste Catalogue: 15 01 10 packaging containing residues of or contaminated by hazardous substances (*hazardous waste)
Other disposal recommendations:	Disposal must be made according to official regulations. The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

14. Section 14. Transport information:

14.1. UN number:	ADR, IMDG, IATA	Not classified as hazardous for transport.
14.2. UN proper shipping name:	ADR, IMDG, IATA	Not classified as hazardous for transport.
14.3. Transport hazard class(es):	ADR, IMDG, IATA	Not classified as hazardous for transport.
14.4. Packing group:	ADR, IMDG, IATA	Not classified as hazardous for transport.
14.5. Environmental hazards:		No.
14.6. Special precautions for user:		No special measures required.
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:		Not applicable

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, as amended (REACH)
Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
Commission Decision 2000/532/EC establishing a list of wastes, as amended
Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended
Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended
Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values
Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values
Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16. Section 16. Other information:

Relevant H-statements (Section 3):

H226 Flammable liquid and vapour.

H242 Heating may cause a fire.

H302 Harmful if swallowed.

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.

H331 Toxic 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.

H411 Toxic to aquatic life with long lasting effects.

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)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EC50: Median effective concentration to 50% of a population

EINECS: European Inventory of Existing Commercial Chemical Substances

IATA: International Air Transport Association

IC: Inhibitory Concentration

IMDG: International Maritime Code for Dangerous Goods

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

PBT: Persistent, Bioaccumulative, Toxic

Reg. nr.: Registration number

vPvB: Very Persistent, Very Bioaccumulative

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 2: Hazardous to the aquatic environment, category 2

Eye Dam. 1: Serious eye damage, category 1

Eye Irrit. 2: Serious eye irritation, category 2

Flam. Liq. 3: Flammable liquid, category 3

Org. Perox. EF: Organic peroxide, category EF

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

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.**