

Date of issue: 27/02/2017	Trade name:	Page: 1/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

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

- 1.1. Product identifier:  
Trade name: **GASKET PRODUCER**  
Product code: **1 35124**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:  
Uses of the mixture: Sealing material.  
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)  
Toxikologické 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 Sens. 1 H317 May cause an allergic skin reaction.  
Eye Irrit. 2 H319 Causes serious eye irritation.

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



Signal Word: Warning

Hazard Statements:  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

Precautionary Statements:  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with national regulation.

Contained dangerous substances:  
20882-04-6 [2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate;  
868-77-9 2-hydroxyethyl methacrylate;  
114-83-0 benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts;  
110-16-7 maleic acid

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 27/02/2017	Trade name:	Page: 2/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

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



Contained dangerous substances:

20882-04-6 [2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate;

868-77-9 2-hydroxyethyl methacrylate;

114-83-0 2'-phenylacetohydrazide;

110-16-7 maleic acid

For more information see the leaflet.

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: 20882-04-6 EINECS: 244-096-4	[2-[(2-methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Skin Sens. 1, H317	5 - 10 %
CAS: 868-77-9 EINECS: 212-782-2 Reg. No.: 01-2119490169-29-0000	2-Hydroxyethyl methacrylate Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319	1 - 5 %
CAS: 7631-86-9 EINECS: 231-545-4	Amorphous Silica (silicon dioxide) Substance with a Community workplace exposure limit.	1 - 5 %
CAS: 107-21-1 EINECS: 203-473-3	Ethane-1,2-diol (ethylene glycol) Acute Tox. 4, H302	1 - 5 %
CAS: 80-15-9 EINECS: 201-524-7	$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide (Cumene hydroperoxide)* Org. Perox. E, 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 %
CAS: 114-83-0 EINECS: 204-055-3	2'-Phenylacetohydrazide Acute Tox. 3, H301; Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2, H319; Skin Sens. 1, H317	< 1 %
CAS: 110-16-7 EINECS: 203-742-5	Maleic acid** Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; STOT SE 3, H335	< 1 %
CAS: 106-51-4 EINECS: 203-405-2	p-Benzoquinone*** Acute Tox. 3, H301; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 3, H331; STOT SE 3, H335; Aquatic Acute 1, H400	< 1 %

\*Specific Concentration limits: 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 %

\*\* Specific Concentration limits: Skin Sens. 1; H317: C  $\geq$  0.1 %

\*\*\*M-Factor: M = 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: Move affected person to fresh air ensuring one's own safety whilst doing so.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 27/02/2017	Trade name:	Page: 3/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

<p>After skin contact:</p> <p>After eye contact:</p> <p>After swallowing:</p> <p>4.2. Most important symptoms and effects, both acute and delayed:</p> <p>After inhalation:</p> <p>After skin contact:</p> <p>After eye contact:</p> <p>After swallowing:</p> <p>Delayed/immediate effects:</p> <p>4.3. Indication of any immediate medical attention and special treatment needed:</p>	<p>Consult a doctor.</p> <p>Remove all contaminated clothes and footwear immediately unless stuck to skin.</p> <p>Wash immediately with plenty of water and soap and rinse thoroughly.</p> <p>Consult a doctor.</p> <p>Rinse opened eye for several minutes under running water.</p> <p>Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Consult a doctor.</p> <p>Rinse mouth with plenty of water.</p> <p>Consult a doctor.</p> <p>Exposure may cause coughing or wheezing.</p> <p>There may be irritation and redness at the site of contact.</p> <p>There may be irritation and redness. The eyes may water profusely.</p> <p>There may be soreness and redness of the mouth and throat.</p> <p>Delayed effects can be expected after long-term exposure.</p> <p>No further relevant information available.</p>
<p><b>5. Section 5. Fire fighting measures:</b></p> <p>5.1. Extinguishing media:</p> <p>Suitable extinguishing agents:</p> <p>Unsuitable extinguishing agents:</p> <p>5.2. Special hazards arising from the substance or mixture:</p> <p>5.3. Advice for firefighters:</p>	<p>Suitable extinguishing media for the surrounding fire should be used.</p> <p>No further relevant information available.</p> <p>In case of fire it may generate hazardous fumes.</p> <p>Wear protective clothing and self-contained breathing apparatus.</p> <p>Use water to keep fire exposed containers cool.</p>
<p><b>6. Section 6. Accidental release measures:</b></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.</p> <p>Keep unprotected persons away.</p> <p>Turn leaking containers leak-side up to prevent the escape of liquid.</p> <p>Do not discharge into drains or rivers.</p> <p>Contain the spillage using bunding.</p> <p>Absorb into dry earth or sand.</p> <p>Transfer to a closable, labelled salvage container for disposal by an appropriate method.</p> <p>Dispose contaminated material as waste according to Section 13.</p> <p>See Section 7 for information on safe handling.</p> <p>See Section 8 for information on personal protection equipment.</p> <p>See Section 13 for disposal information.</p>
<p><b>7. Section 7. Handling and storage:</b></p> <p>7.1. Precautions for safe handling:</p> <p>Protective measures:</p> <p>Measures to prevent fire:</p> <p>7.2. Conditions for safe storage, including any incompatibilities:</p> <p>Requirements for storage rooms and vessels:</p> <p>Technical measures and storage conditions:</p>	<p>Avoid contact with skin and eyes.</p> <p>Wear protective equipment, see Section 8.</p> <p>Avoid the formation or spread of mists in the air.</p> <p>No further relevant information available.</p> <p>Keep container tightly closed.</p> <p>Must only be kept in original packaging.</p> <p>Store in a cool, well ventilated area.</p>

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 27/02/2017	Trade name:	Page: 4/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

Further information on storage conditions:

No further relevant information available.

7.3. Specific end use(s): Adhesives, sealants.

### 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	
107-21-1	Ethane-1,2-diol particulate	-	10	-	-	Skin
	vapour	20	52	40	104	

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

CAS	Name of agent	Eight hours		Short-term		Notation
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
107-21-1	Ethane-1,2-diol	20	52	40	104	Skin

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

8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation/exhaustion at the workplace.

Ensure eye bath is to hand.

General protective measures: The usual precautionary measures should be adhered to general rules for handling chemicals.

Avoid contact with skin and eyes.

Personal protection equipment:

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Eye protection: Safety glasses.

Hand protection: Impermeable gloves.

Skin protection: Impermeable protective clothing.

### 9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form:	Liquid.
Colour:	Orange.
Odour:	Characteristic (sweet).
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:	Not determined.
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:	0.997
Solubility in/miscibility:	Water: Insoluble.
Partition coefficient (n-octanol/water):	Not determined.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 27/02/2017	Trade name:	Page: 5/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Self-ignition temperature:	Not determined.
Viscosity:	Viscous.
Oxidising properties:	Not determined.
9.2. Other information:	35 g/l

### 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 oxidising agents, strong acids.
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

7631-86-9

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

107-21-1 Ethane-1,2-diol

Oral	LD50 Rat	4700 mg/kg
Dermal	LD50 Rabbit	10626 mg/kg
Vapours	LC50/6 h Rat	> 2.5 mg/l

80-15-9 Cumene hydroperoxide

Oral	LDLo Mouse	5 mg/kg
	LD50 Rat	382 mg/kg
Subcutaneous	LD50 Rat	382 mg/kg

114-83-0 2'-Phenylacetohydrazide

Oral	LD50 Rat	270 mg/kg
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110-16-7 Maleic acid

Oral	LD50 Rat	708 mg/kg
Dermal	LD50 Rabbit	1560 mg/kg
Vapours	LC50/1 h Rabbit	> 720 mg/m <sup>3</sup>

106-51-4 p-Benzoquinone

Oral	LD50 Mouse	130 mg/kg
	LDLo Mouse	100 mg/kg
	LD50 Rat	25 mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Serious eye damage/irritation:	Eye	Hazardous: calculated
Respiratory or skin sensitization:	Dermal	Hazardous: calculated

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

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.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 27/02/2017	Trade name:	Page: 6/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

Specific target organ toxicity  
- single exposure: Based on available data, the classification criteria are not met.

Specific target organ toxicity  
- 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: 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: Delayed effects can be expected after long-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
Jiné organizmy:	EC50/16 h	Pseudomonas fluorescens	> 3000 mg/l

107-21-1 Ethane-1,2-diol

Fish:	LC50/48 h	Leuciscus idus	10000 mg/l
	LC50/96 h	Onchorhynchus mykiss	18500 mg/l
Invertebrates:	LC50/48 h	Daphnia magna	41000 mg/l

110-16-7 Maleic acid

Fish:	LC50/96 h	Pimephales promelas	5 mg/l
Invertebrates:	EC50/48 h	Daphnia magna	42.81 mg/l
Algae:	EC50/72 h	Pseudokirchneriella subcapitata	74.35 mg/l

106-51-4 p-Benzoquinone

Fish:	LC50/96 h	Pimephales promelas	0.045 mg/l
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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.

### 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.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 27/02/2017	Trade name:	Page: 7/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

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 applicable.
- 14.3. Transport hazard class(es):  
ADR, IMDG, IATA Not applicable.
- 14.4. Packing group:  
ADR, IMDG, IATA Not applicable.
- 14.5. Environmental hazards:  
Marine pollutant: Not applicable.
- 14.6. Special precautions for user: Not applicable.
- 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.

**16. Section 16. Other information:**

Relevant H-statements (Section 3):

H242 Heating may cause a fire.

H301 Toxic if swallowed.

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>.

## Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 27/02/2017	Trade name:	Page: 8/8
Reviewed on:	<b>GASKET PRODUCER</b>	Version: 1.0

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

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

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

Reg. No.: Registration number

VOC: Volatile Organic Compounds

vPvB: Very Persistent, Very Bioaccumulative

WEL: Workplace exposure limits

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

Org. Perox. E: Organic peroxide, category E

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.**