

## Elastic additive

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 - Product identifier

Trade name/designation Elastic additive

Chemical name

Product-type Mixture

Product code 3440

#### 1.2 - Relevant identified uses of the substance or mixture and uses advised against

#### 1.3 - Details of the supplier of the safety data sheet

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#### 1.4 - Emergency telephone number

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)
Flam. Liq. 3	Flammable liquid and vapour. - Category 3

#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: n-butyl acetate (CAS No.: 123-86-4)

Signal word : Warning

Hazard pictograms



Hazard statements

H226	Flammable liquid and vapour
H336	May cause drowsiness or dizziness

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P280	Wear protective gloves, eye protection, face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a a POISON CENTER, a doctor if you feel unwell.



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P370+P378	In case of fire: Use Carbon dioxide (CO <sub>2</sub> ), alcohol-resistant foam, extinguishing powder for extinction.
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EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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### 2.3 - Other hazards

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
n-butyl acetate	CAS No. : 123-86-4 Index No. : 607-025-00-1 EC No. : 204-658-1	29 - 45	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

<u>Following inhalation</u>	<ul style="list-style-type: none"><li>- Provide fresh air.</li><li>- When in doubt or if symptoms are observed, get medical advice.</li></ul>
<u>Following skin contact</u>	<ul style="list-style-type: none"><li>- Remove contaminated, saturated clothing immediately.</li><li>- Wash immediately with: Water</li><li>- In case of skin reactions, consult a physician.</li></ul>
<u>After eye contact</u>	<ul style="list-style-type: none"><li>- Rinse immediately carefully and thoroughly with eye-bath or water.</li><li>- In case of eye irritation consult an ophthalmologist.</li></ul>
<u>After ingestion</u>	<ul style="list-style-type: none"><li>- Call a physician immediately.</li><li>- Rinse mouth thoroughly with water.</li><li>- Do NOT induce vomiting.</li></ul>

### 4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

### 4.3 - Indication of any immediate medical attention and special treatment needed

## SECTION 5: Firefighting measures

### 5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	<ul style="list-style-type: none"><li>- ABC-powder</li><li>- Carbon dioxide (CO<sub>2</sub>)</li></ul>
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- Foam
- Extinguishing powder

### Unsuitable extinguishing media

- Full water jet

### 5.2 - Special hazards arising from the substance or mixture

#### Special hazards arising from the substance or mixture

- Explosion risk in case of fire.
- In case of fire and/or explosion do not breathe fumes.

#### Hazardous decomposition products

- No information available.

### 5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Do not allow run-off from fire-fighting to enter drains or water courses.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Container device with compressed air (DIN EN 137)
- flame arrestor combination (EN469)
- flameproof gloves (EN 659)
- firefighter boots (HO A29 or A30)

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## SECTION 6: Accidental release measures

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### 6.1 - Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

- Provide adequate ventilation.
- Remove all sources of ignition.
- Remove persons to safety.
- Wear personal protection equipment (refer to section 8).

#### For emergency responders

- Wear personal protection equipment (refer to section 8).

### 6.2 - Environmental precautions

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.

### 6.3 - Methods and material for containment and cleaning up

#### Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.

#### Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.
- Ventilate affected area.
- Conditions for safe storage, including any incompatibilities
- SECTION 13: Disposal considerations

#### Inappropriate techniques

- No information available.

### 6.4 - Reference to other sections

- Disposal: see section 13

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- Personal protection equipment: see section 8

### SECTION 7: Handling and storage

#### 7.1 - Precautions for safe handling

##### Recommendation

- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Vapours are heavier than air, spread along floors and form explosive mixtures with air.
- Take precautionary measures against static discharges.
- Use only in well-ventilated areas.
- Do not eat, drink or smoke when using this product.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Discharge into the environment must be avoided.

##### Advices on general occupational hygiene

- Used working clothes should not be worn outside the work area.

#### 7.2 - Conditions for safe storage, including any incompatibilities

- Keep/Store only in original container.
- Keep container tightly closed and in a well-ventilated place.
- Protect against: Heat
- Do not store together with: Combustible substance
- Storage class Flammable liquids

#### 7.3 - Specific end use(s)

### SECTION 8: Exposure controls/personal protection

#### 8.1 - Control parameters

#### 8.2 - Exposure controls

##### Appropriate engineering controls

- No information available.

##### Individual protection measures, such as personal protective equipment

- Wear protective gloves/protective clothing and eye/face protection.
- Protective gloves

- DIN EN 374
- Suitable material: NBR (Nitrile rubber)
- Suitable material: PVA (Polyvinyl alcohol)
- Suitable protective clothing: lab coat



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- Suitable protective clothing: Full protection suit



- Eye protection



- DIN EN 166

- Respiratory protection



- Combination filtering device (EN 14387)

- Container device with compressed air (DIN EN 137)

- Suitable respiratory protection apparatus: Fresh-air tube device (DIN EN 138)

## SECTION 9: Physical and chemical properties

### 9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	yellow	<u>Odour</u>	Typical solvent
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		> 23 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		1,2 % Vol. 15°C	
Upper explosion limit		7,5 % Vol. 15°C	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		1,055 kg/l 20°C	
Density		No data available	
Solubility (Water)		not soluble	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	

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Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

### 9.2 - Other information

VOC content	36 %
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.
- In use may form flammable/explosive vapour-air mixture.

### 10.4 - Conditions to avoid

- In case of warming: Ignition hazard
- Take precautionary measures against static discharges.
- Remove all sources of ignition.

### 10.5 - Incompatible materials

- Water
- nitrates
- Highly oxidising substances
- Acid
- alkaline
- potassium t-butoxide

### 10.6 - Hazardous decomposition products

- Thermal decomposition can lead to the escape of irritating gases and vapours.

## SECTION 11: Toxicological information

### 11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available

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LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- May cause drowsiness or dizziness.
- depression of central nervous system
- Repeated exposure may cause skin dryness or cracking.

### Toxicity : Substances

n-butyl acetate (123-86-4)	
LD50 oral (rat)	> 12000 mg/kg
LD50 dermal (rabbit)	> 14000 mg/kg
LC50 inhalation (rat)	0.74 mg/l/4h

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

## SECTION 12: Ecological information

### 12.1 - Toxicity

#### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

#### Toxicity : Substances

n-butyl acetate (123-86-4)	
EC50 48 hr crustacea	44 mg/l
LC50 96 hr fish	18 mg/l
ErC50 algae	397 mg/l 72h



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ErC50 other aquatic plants	397 mg/l 72h
NOEC chronic crustacea	23,2 mg/l
NOEC chronic algae	196 mg/l
NOEC chronic other aquatic plants	196 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

### 12.6 - Other adverse effects

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation. - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- Observe in addition any national regulations!

## SECTION 14: Transport information

### 14.1 - UN number

<u>UN number (ADR)</u>	:	UN1263
<u>UN number (RID)</u>	:	UN1263
<u>UN number (IMDG)</u>	:	UN1263
<u>UN number (IATA)</u>	:	UN1263

### 14.2 - UN proper shipping name



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<u>UN proper shipping name (ADR)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E (n-butyl acetate)
<u>UN proper shipping name (RID)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E (n-butyl acetate)
<u>UN proper shipping name (IMDG)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E (n-butyl acetate)
<u>UN proper shipping name (IATA)</u>	:	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound) 640E (n-butyl acetate)

### 14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	3
<u>ADR Classification code:</u>	:	F1
<u>Pictograms</u>		



<u>Transport hazard class(es) (RID)</u>	:	3
<u>Pictograms</u>		



<u>Transport hazard class(es) (IMDG)</u>	:	3
<u>Pictograms</u>		



<u>Transport hazard class(es) (IATA)</u>	:	3
<u>Pictograms</u>		



### 14.4 - Packing group

<u>Packing group</u>	:	III
<u>Packing group (RID)</u>	:	III
<u>Packing group (IMDG)</u>	:	III
<u>Packing group (IATA)</u>	:	III

### 14.5 - Environmental hazards



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Environmental hazards : No  
Marine pollutant : No

### 14.6 - Special precautions for user

#### **ADR**

ADR Classification code: : F1  
ADR Special provisions : 163+  
640E+650+367  
ADR Limited quantity (LQ) : 5 L  
ADR Excepted quantities : E1  
ADR Packing instructions : P001 IBC03 LP01 R001  
ADR Special packing provisions : PP1  
ADR Mixed packing provisions : MP19  
Instructions for portable tanks and bulk containers : T2  
Special provisions for portable tanks and bulk containers : TP1 TP29  
ADR tank code : LGBF  
ADR tanks special provisions :  
Vehicle for tank carriage : FL  
ADR Transport category : 3  
ADR Tunnel restriction code : D/E  
ADR Special provisions loading, unloading and handling :  
Special provisions - Packages : V12  
Special provisions - Bulk :  
Special provisions - Operation : S2  
ADR Hazard identification number (Kemler No.) : 30

#### **RID**

Special provisions :  
Limited quantity (LQ) : 5L  
Excepted quantities : E1

#### **IMDG**

Special provisions :  
Limited quantity (LQ) : 5L  
Excepted quantities :  
Packing instructions :  
Special packing provisions :  
IBC instruction(s) :  
IBC provisions :  
Instructions for portable tanks and bulk containers :  
Special provisions for portable tanks and bulk containers :  
EmS codes : F-E , S-E  
Stowage and handling :  
Segregation :  
Properties and observations :



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### IATA

PCA - Excepted quantities	:	
PCA - Limited Quantity - Packing Instructions	:	
PCA - Limited Quantity - Maximum Net Quantity per Package	:	
PCA - Packing Instructions	:	355
PCA - Maximum Net Quantity per Package	:	60L
CAO - Packing Instructions	:	366
CAO - Maximum Net Quantity per Package	:	220L
Special Provisions	:	A3, A72, A192
ERG Code	:	

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

## SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	36 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

## SECTION 16: Other information

### SDS versions

Version	Issue date	Description of the amendments
1	18/04/2018	New product

### Texts of the regulatory sentences

Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H226	Flammable liquid and vapour
H336	May cause drowsiness or dizziness
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

New product

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