

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Nonwoven fabric fleece adhesive**

Revision date: 10.03.2017

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Nonwoven fabric fleece adhesive

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Adhesives, liquid laminates

**1.3. Details of the supplier of the safety data sheet**

Company name:	ELBTAL PLASTICS GmbH & Co. KG	
Street:	Grenzstraße 9	
Place:	D-01640 Coswig	
Telephone:	+49 (0) 3523 5330 0	Telefax: +49 (0) 3523 5330 222
e-mail:	info@elbtal-plastics.de	
Contact person:	Stefan Mahn	
Internet:	www.elbtal-plastics.de	

**1.4. Emergency telephone number:**

GIZ Nord  
+49 (0)551-19240 (Information in German and English)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1A

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

4,5-dichloro-2-octyl-2H-isothiazole-3-on

**Signal word:** Warning**Pictograms:****Hazard statements**

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

P261 Avoid breathing gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents/container to industrial incineration plant.

**2.3. Other hazards**

High slip hazard because of leaking or spilled product.

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**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

aqueous acrylic dispersion; contains fungicide

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64359-81-5	4,5-dichloro-2-octyl-2H-isothiazole-3-on			< 0,2 %
	264-843-8			
	Acute Tox. 2 (inhal.), Acute Tox. 4 (oral), Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1 (M-Factor = 100), Aquatic Chronic 1 (M-Factor = 10); H330 H302 H314 H318 H317 H400 H410			

Full text of H statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

**After inhalation**

Provide fresh air. In case of trouble call doctor.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of trouble call doctor.

**After ingestion**Rinse mouth immediately and drink plenty of water.  
Call a doctor.**4.2. Most important symptoms and effects, both acute and delayed**

May cause an allergic skin reaction.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>). Foam. Water spray.  
Co-ordinate fire-fighting measures to the fire surroundings.**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**Non-flammable.  
In case of fire may be liberated: Carbon monoxide Carbon dioxide.**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

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### Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/mist/vapours/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

Special danger of slipping by leaking/spilling product.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

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

#### Requirements for storage rooms and vessels

Keep container tightly closed. Handle and open container with care.

Keep container dry.

Recommended storage temperature: 5 - 20 °C

Protect against: frost.

#### Advice on storage compatibility

Keep away from: Food and feedingstuffs

#### Further information on storage conditions

Maximum storage period (time): 6 month(s)

Keep/Store only in original container.

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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### PNEC values

CAS No	Substance	(source: External SDS)
	Environmental compartment	Value
64359-81-5	4,5-dichloro-2-octyl-2H-isothiazole-3-on	
	Freshwater	0,000034 mg/l
	Marine water	0,0000068 mg/l
	Freshwater sediment	0,41 mg/kg
	Marine sediment	0,0034 mg/kg
	Micro-organisms in sewage treatment plants (STP)	0,064 mg/l
	Soil	0,062 mg/kg

### Additional advice on limit values

To date, no national critical limit values exist.

### 8.2. Exposure controls



#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink or smoke.

#### Eye/face protection

Eye glasses with side protection

#### Hand protection

Tested protective gloves are to be worn:

Suitable material: NBR (Nitrile rubber).

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves have to be replaced at the first sign of deterioration.

#### Skin protection

Wear suitable protective clothing.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

Physical state: liquid  
 Colour: white  
 Odour: characteristic

#### Test method

pH-Value: 3,5 - 4,5

#### Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

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Flash point: not determined

**Flammability**

Solid: not applicable

Gas: not applicable

**Explosive properties**

The product is: not explosive.

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Ignition temperature: not applicable

**Auto-ignition temperature**

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidising.

Vapour pressure: not determined

Density: 1,03 g/cm<sup>3</sup>

Water solubility: miscible

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: 30000 mPa·s

Vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

Solid content: not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No hazardous reaction when handled and stored according to provisions.

**10.5. Incompatible materials**

Acid.

**10.6. Hazardous decomposition products**

In case of fire may be liberated: Carbon monoxide Carbon dioxide.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

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### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64359-81-5	4,5-dichloro-2-octyl-2H-isothiazole-3-on				
	oral	LD50 > 500 mg/kg b.w.	Rat	SDS supplier	
	dermal	LD50 > 2000 mg/kg b.w.	Rat	SDS supplier	
	inhalative (4 h) aerosol	LC50 0,26 mg/l	Rat	External SDS	

### Irritation and corrosivity

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

### Sensitising effects

May cause an allergic skin reaction.

### Carcinogenic/mutagenic/toxic effects for reproduction

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

### STOT-single exposure

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

### 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.

### Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64359-81-5	4,5-dichloro-2-octyl-2H-isothiazole-3-on					
	Acute fish toxicity	LC50 0,0027 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	External SDS	OECD 203
	Acute algae toxicity	ErC50 0,077 mg/l	72 h	Pseudokirchneriella subcapitata	External SDS	OECD 201
	Acute crustacea toxicity	EC50 0,0057 mg/l	48 h	Daphnia magna	External SDS	OECD 202
	Fish toxicity	NOEC 0,00056 mg/l	97 d	Oncorhynchus mykiss (Rainbow trout)	External SDS	OECD 210
	Crustacea toxicity	NOEC 0,00063 mg/l	21 d	Daphnia magna	External SDS	OECD 211
	Acute bacteria toxicity	(5,7 mg/l)		Activated sludge	External SDS	OECD 209

### 12.2. Persistence and degradability

The product has not been tested.

Part of the components is biodegradable.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
64359-81-5	4,5-dichloro-2-octyl-2H-isothiazole-3-on			
	OECD 301 A - F	> 60%		External SDS
	Readily biodegradable (according to OECD criteria).			

### 12.3. Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64359-81-5	4,5-dichloro-2-octyl-2H-isothiazole-3-on	2,42 (source: External SDS)

### BCF

CAS No	Chemical name	BCF	Species	Source
64359-81-5	4,5-dichloro-2-octyl-2H-isothiazole-3-on	750	Lepomis macrochirus	External SDS

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No information available.

### Further information

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

### Inland waterways transport (ADN)

#### Other applicable information (inland waterways transport)

No dangerous good in sense of these transport regulations.

### Marine transport (IMDG)

#### Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

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**Air transport (ICAO-TI/IATA-DGR)****Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 1 - slightly water contaminating  
 Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Initial version

**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  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%

**Relevant H and EUH statements (number and full text)**

H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H330 Fatal if inhaled.  
 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.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be

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transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(Information on the hazardous ingredient was obtained from searches and the most recent safety data sheet provided by the upstream supplier.)*