

Safety data sheetAccording to 1907/2006/EC
and 453/2010/EC**Fliegenband**

Date: 2015-02-18

Revision : 3

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

1.1 Product identifier	Fliegenband
Product code	3231, 3211 & 3161
1.2 Relevant identified uses of the substance or mixture and uses advised against	Hot Melt Adhesive
1.3 Details of the supplier of the safety data sheet	Silva e.K.
Address	Neissestrasse 5, 23554 Lübeck, Germany
Telephone	+49-451-4799330
Telefax	+49-451-47993344
E-mail	info@silva-deutschland.de
Homepage	www.silva-deutschland.de
1.4 Emergency telephone number	+46 (0)8-331231 Poison information

SECTION 2: Hazards identification**2.1 Classification**

Classification (1999/45/EC)

This product is not classified as flammable, harmful or dangerous for the environment.

Classification CLP (1272/2008/EC)

This product is not classified as flammable, harmful or dangerous for the environment.

2.2 Label elements**Pictogram**

None

Signal Word

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Containing substances

Styrene-isoprene copolymer. Naphtha (petroleum), light steam cracked, debenzenized, polymers, hydrogenated, White mineral oil (petroleum)

Hazard statement Code(s)

None

Suppl. Hazard statement Code(s)

EUH210 Safety data sheet available on request.

Precautionary statements

None

2.3 Other hazards

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

Eye:

As supplied: irritant as a foreign body. As used: severe thermal hazard

Skin contact:

As supplied: no hazard. As used: severe thermal hazard.

Inhalation:

Vapours and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Ingestion:

Low oral toxicity.

Physical-chemical:

No unusual hazards are expected.

Environmental:

Adverse effects would not be expected.

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SECTION 3: Composition/information on ingredients**3.2 Chemical composition:** Mixture. Hot Melt Adhesive

Components	CAS-No EC-No Reg-No	Conc. %	Symbol & R- phrases*	Hazard Class & Category Code*	Hazard statement Code(s)*
Styrene-isoprene copolymer	25038-32-8 607-504-5	5-10	-	-	-
Naphtha (petroleum), light steam cracked, debenzenized, polymers, hydrogenated	68132-00-3 614-305-7	40-50	-	-	-
White mineral oil (petroleum)	8042-47-5 232-455-8	40-50	-	-	-
Antioxidants	-	< 1	-	-	-

* The full text of Risk phrases and Hazard statement Codes are listed under section 16.

The classification is based on data from the chemical supplier and www.ecb.europa.eu (Databases)

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

Explanation of symbols

T= Toxic; T+= Very toxic; C= Corrosive; Xn= Harmful; Xi= Irritant; O= Oxidizing; E= Explosive; F= Highly flammable; F+= Extremely flammable; N= Dangerous to the environment

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

Never give fluids or induce vomiting if patient is unconscious. Keep person warm and calm. In all cases of doubt, or when symptoms persist, seek medical advice.

Inhalation

Remove to fresh air. Get medical attention if irritation persists.

Skin contact

If hot: flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As supplied: non-hazardous.

Eye contact

If hot: flush with cool water. Treat as wax or resin burn. Do not attempt to remove solidified adhesive. Get medical attention immediately. As supplied: remove as foreign body.

Ingestion

None required.

4.2 Most important symptoms and effects, both acute and delayed**Inhalation:**

Vapours and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

Skin contact:

As supplied: no hazard. As used: severe thermal hazard.

Eye contact:

As supplied: irritant as a foreign body. As used: severe thermal hazard.

Ingestion:

Low order of toxicity.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 5: Firefighting measures

5.1 Extinguishing media

CO₂; Dry chemical.

5.2 Special hazards arising from the substance or mixture

Combustible at high temperatures.

Carbon monoxide, carbon dioxide, unknown hydrocarbons.

5.3 Special protective equipment

Appropriate breathing apparatus may be required.

Additional information

Cool endangered containers with water in case of fire.

Flash point >230°C

Special fire fighting procedures

No special procedures are required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Re-use product if possible. Collect the waste mechanically.

Place in container for disposal according to local regulations.

6.4 Reference to other sections

See section 7 for proper handling and storage.

For personal protection see section 8.

For disposal of spillage, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Normal precautions taken when handling chemicals should be observed. Precaution: this product should only be heated to recommended temperatures. The hazards of pyrolysis products are unknown.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry area.

7.3 Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Appropriate engineering controls

Normal ventilation should be adequate for small volumes.

Swedish limit values or limit values according to the European commission

Substance	CAS-No	Level limit value	Ceiling limit value	Short time value
Dust, inorganic – inhalable dust	-	10 mg/m ³	-	-
Dust, inorganic – respirable dust	-	5 mg/m ³	-	-

8.2 Exposure controls

General protective and hygiene measures

Wash hands before breaks and after work. Avoid contact with eyes and skin.

The usual precautionary measures for the handling of chemicals have to be observed.

Individual protection measures, such as personal protective equipment

Always consult a competent person/supplier when selecting personal protective equipment

Respiratory protection

None required if good ventilation is maintained.

Hand protection

Rubber or thermally resistant gloves should be worn.

Eye protection

Not required when used as intended.

Body protection

Not required when used as intended.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Solid
Colour:	Yellow
Odour:	Slight
Odour threshold:	Not determined
pH:	Not determined
Melting point/freezing point (°C):	Not determined
Initial boiling point and boiling range(°C):	> 250
Flash point(°C):	> 230
Evaporation rate(°C):	Not determined
Flammability (solid, gas):	Not determined
Upper flammability or explosive limits:	Not determined
Lower flammability or explosive limits:	Not determined
Vapour pressure (20°C):	Not determined
Vapour density:	Not determined
Solubility in water:	Insoluble
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined

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SECTION 9: Physical and chemical properties (...)

Decomposition temperature:	Not determined
Density:	Not determined
Viscosity:	600 - 1.200 mPa s
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2 Other information

VOC=0 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

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10.4 Conditions to avoid

None under recommended storage and handling conditions.

10.5 Incompatible materials

None under recommended storage and handling conditions.

10.6 Hazardous decomposition products

No hazardous decompositions products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

See section 4. (Most important symptoms and effects, both acute and delayed)

Toxicology data

Information about this preparation is not available.

Toxicology data for the containing components:

White mineral oil (petroleum) -Toxicity by ingestion: LD₅₀ Oral rat: >5000 mg/kg body weight

Effects of chronic exposure

Although this product has not been tested for chronic effects it is judged as having a low order of toxicity based on component information. Use of good industrial hygiene practices is recommended.

Routes of exposure

Eyes and skin.

Allergenic potential

The product is not classified as allergenic by inhalation or skin contact.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen and toxic for reproduction.

Other information

None.

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SECTION 12: Ecological information

This product is not classified as dangerous for the environment.

Do not flush into surface water or sanitary sewer system.

12.1 Toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

White mineral oil (petroleum): LC₅₀ Fish 96h: >10000 mg/l Species: Lepomis macrochirus

12.2 Persistence and degradability

24% degraded in 28 days OECD 301B - White mineral oil (petroleum)

12.3 Bioaccumulative potential

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12.4 Mobility in soil

Insoluble in water.

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6 Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

This product or residues of this product are not classified as hazardous waste.

Dispose of in accordance with local authority requirements.

EWC code: Depends on line of business and use.

Disposal of Packaging

Well cleaned packaging could be left for recycling

SECTION 14: Transport information

The product is not classified as dangerous goods according to ADR/RID, IMDG, DGR.

14.1 UN number

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14.2 UN proper shipping name

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14.3 Transport hazard class(es)

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14.4 Packing group

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14.5 Environmental hazards

Marine Pollutant: No

14.6 Special precautions for user

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

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SECTION 15: Regulatory information

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

Classification according to CLP (1272/2008/EC)

15.2 Chemical safety assessment

None.

SECTION 16: Other information

The full text of Risk phrases and Hazard statement Codes listed under section 3:

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Sources

Safety data sheet provided by the manufacturer. CLP-regulation, www.kemi.se, www.ecb.europa.eu (Databases)

Revision 3: 2014-10-24. Safety data sheet according to Regulation (EC) No. 1907/2006 and (EG) 453/2010

Previous versions

Revision 1: 2009-09-30

Revision 2: 2012-10-26

Abbreviations explanations

ADR: :International Carriage of Dangerous Goods by Road

BCF: Bio Concentration Factor

CAS-nr: Chemical Abstracts Service number

EC₅₀: Effect Concentration

EG-nr: A substance number i Einecs, Elincs or in No-Longer Polymers List.

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

IC₅₀: Median Inhibition Concentration

NOEC: No Observed Effect Concentration

PBT-substance: Persistent, Bio accumulative and Toxic substances.

vPvB-substance; Very persistent and Very Bio accumulative substances.