

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

EVO-STIK TX528 ADHESIVE Supercedes Date: 09-Mar-2016 Revision Date 24-Jul-2018 Revision Number 1.01

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name EVO-STIK TX528 ADHESIVE

Pure substance/mixture Mixture

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

Recommended use Adhesives.
Uses advised against None known

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited Common Rd ST16 3EH Stafford UK

Tel: +44 (1785) 27 26 25 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

| United Kingdom | +44 (1785) 272650 |
|----------------|---|
| Ireland | +353 (1) 8624900 (Monday- Friday 9am-5pm) |

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

| Skin Corrosion/Irritation | Category 2 - (H315) |
|--|---------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Specific target organ toxicity (single exposure) | Category 3 - (H336) |
| Chronic aquatic toxicity | Category 3 - (H412) |
| Flammable liquids | Category 2 - (H225) |

2.2. Label Elements

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

Contains Ethyl acetate, Methyl ethyl ketone, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, Hydrocarbons, C6, isoalkanes, <5% n-hexane





Signal Word

EVO-STIK TX528 ADHESIVE Supercedes Date: 09-Mar-2016 Revision Date 24-Jul-2018 Revision Number 1.01

DANGER

Hazard statements

H336 - May cause drowsiness or dizziness

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H412 - Harmful to aquatic life with long lasting effects

H225 - Highly flammable liquid and vapour

Special provisions concerning the labelling of certain mixtures

EUH208 - Contains rosin & methylols. May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear protective gloves and eye/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public

2.3. Other Hazards

General Hazards

In use may form flammable/explosive vapour-air mixture.

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixture

3.2 Mixtures

| Chemical Name | EC No. | CAS No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH Registration Number |
|--|-----------|----------|----------|--|------------------------------------|---------------------------------|
| Ethyl acetate | 205-500-4 | 141-78-6 | 15 - 25 | Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066) | | 01-2119475103-46 -XXXX |
| Methyl ethyl ketone | 201-159-0 | 78-93-3 | 15 - 25 | Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066) | | 01-2119457290-43 -XXXX |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 927-510-4 | 1 | 10 - <20 | STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225) | | 01-2119475515-33 -xxxx |
| Hydrocarbons, C6, | 931-254-9 | | 5 - <10 | STOT SE 3 (H336) | | 01-2119484651-34 |

EVO-STIK TX528 ADHESIVE
Supercedes Date: 09-Mar-2016

Revision Date 24-Jul-2018
Revision Number 1.01

| isoalkanes, <5% n-hexane | | | | Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam Liq. 2 (H225) (EUH066) | | -XXXX |
|---|-----------|-----------|----------|---|----|---------------------------|
| Xylenes (o-, m-, p- isomers) | 215-535-7 | 1330-20-7 | 5 - <10 | STOT SE 3 (H335) STOT RE 2 (H373) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Flam Liq. 3 (H226) Aquatic Chronic 3 (H412) | :: | 01-2119488216-32 -XXXX |
| Ethylbenzene | 202-849-4 | 100-41-4 | 1- <2.5 | STOT RE 2 (H373) Asp. Tox. 1 (H304) Acute Tox. 4 (H332) Flam Liq. 2 (H225) Aquatic Chronic 3 (H412) | | 01-2119489370-35 -XXXX |
| Rosin | 232-475-7 | 8050-09-7 | 0.1 - <1 | Skin Sens. 1 (H317) | | 01-2119480418-32 -XXXX |
| N,N'-Ethylenebis(12-hydrox yoctadecanamide) | 204-613-6 | 123-26-2 | 0.1 - <1 | Skin Sens. 1 (H317) Aquatic Chronic 3 (H412) | | 01-2119978265-26 -XXXX |
| Methylols | - | UNKNOWN | 0.1 - <1 | Skin Sens. 1 (H317) | | No data available |

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classifed, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice If medical advice is needed, have product container or label at hand.

Inhalation Remove to fresh air.

Skin ContactWash with plenty of soap and water. If skin irritation occurs: Get medical advice/

attention.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor

immediately.

Ingestion If swallowed, do not induce vomiting: seek medical advice immediately and show this

container or label.

entry to unnecessary and unprotected personnel.

Supercedes Date: 09-Mar-2016 Revision Number 1.01

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known.

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

Note to doctors Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

EVO-STIK TX528 ADHESIVE

Suitable Extinguishing Media

Use CO2, dry chemical, or foam. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media

Use water spray or fog; do not use straight streams

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas.

Water spray may reduce vapour; but may not prevent ignition in closed spaces.

For emergency responders

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

6.3. Methods and material for containment and cleaning up

Methods for Containment Dyke far ahead of spill; use dry sand to contain the flow of material. Contain and collect

spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations

(see Section 13).

Methods for cleaning up

Use clean non-sparking tools to collect absorbed material. Dyke far ahead of spill for

later disposal.

6.4. Reference to other sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION

Section 7: HANDLING AND STORAGE

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Revision Date 24-Jul-2018

EVO-STIK TX528 ADHESIVE Supercedes Date: 09-Mar-2016 Revision Date 24-Jul-2018 Revision Number 1.01

Advice on safe handling

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep only in the original container/package in a cool well-ventilated place.

7.3. Specific end use(s)

Other Information

Recommendation(s). Observe technical data sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Chemical Name | European Union | Ireland | United Kingdom |
|------------------------------|-----------------------------|------------------------------|----------------------------------|
| Ethyl acetate | - | TWA: 200 ppm | STEL: 400 ppm |
| 141-78-6 | | STEL: 400 ppm | TWA: 200 ppm |
| Methyl ethyl ketone | TWA: 200 ppm | TWA: 200 ppm | STEL: 300 ppm |
| 78-93-3 | TWA: 600 mg/m ³ | TWA: 600 mg/m ³ | STEL: 899 mg/m ³ |
| | STEL: 300 ppm | STEL: 300 ppm | TWA: 200 ppm |
| | STEL: 900 mg/m ³ | STEL: 900 mg/m ³ | TWA: 600 mg/m ³ |
| | | Skin nota. | Skin |
| Xylenes (o-, m-, p- isomers) | TWA: 50 ppm | TWA: 50 ppm | STEL: 100 ppm |
| 1330-20-7 | TWA: 221 mg/m ³ | TWA: 221 mg/m ³ | STEL: 441 mg/m ³ |
| | STEL: 100 ppm | STEL: 100 ppm | TWA: 50 ppm |
| | STEL: 442 mg/m ³ | STEL: 442 mg/m ³ | TWA: 220 mg/m ³ |
| | S* | Skin nota. | Skin |
| Ethylbenzene | TWA: 100 ppm | TWA: 100 ppm | STEL: 125 ppm |
| 100-41-4 | TWA: 442 mg/m ³ | TWA: 442 mg/m ³ | STEL: 552 mg/m ³ |
| | STEL: 200 ppm | STEL: 200 ppm | TWA: 100 ppm |
| | STEL: 884 mg/m ³ | STEL: 884 mg/m ³ | TWA: 441 mg/m ³ |
| | S* | Skin nota. | Skin |
| Rosin | - | TWA: 0.05 mg/m ³ | TWA: 0.05 mg/m³ fume |
| 8050-09-7 | | STEL: 0.15 mg/m ³ | |
| | | Sensitiser | |
| Magnesium oxide (MgO) | - | TWA: 4 mg/m ³ | STEL: 30 mg/m³ inhalable dust |
| 1309-48-4 | | TWA: 5 mg/m ³ | STEL: 12 mg/m³ fume and |
| | | TWA: 10 mg/m ³ | respirable dust |
| | | STEL: 10 mg/m ³ | TWA: 10 mg/m³ inhalable dust |
| | | STEL: 12 mg/m ³ | TWA: 4 mg/m³ fume and respirable |
| | | STEL: 30 mg/m ³ | dust |
| Isopropyl alcohol | - | TWA: 200 ppm | STEL: 500 ppm |
| 67-63-0 | | STEL: 400 ppm | STEL: 1250 mg/m ³ |
| | | Skin nota. | TWA: 400 ppm |
| | | | TWA: 999 mg/m ³ |
| Talc | - | TWA: 10 mg/m ³ | STEL: 3 mg/m³ respirable dust |
| 14807-96-6 | | TWA: 0.8 mg/m ³ | TWA: 1 mg/m³ respirable dust |
| | | STEL: 30 mg/m ³ | |
| | | STEL: 2.4 mg/m ³ | |

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration No information available. **(PNEC)**

8.2. Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Supercedes Date: 09-Mar-2016 Revision Number 1.01

Personal Protective Equipment

EVO-STIK TX528 ADHESIVE

Eye/Face Protection Tight sealing safety goggles. Face protection shield.

Hand Protection Wear protective gloves. The breakthrough time of the gloves depends on the material

and the thickness as well as the temperature.

Skin and Body Protection Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective

clothing.

Respiratory Protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection

and protective suit. In case of inadequate ventilation wear respiratory protection.

None known

Revision Date 24-Jul-2018

Recommended filter type: Organic gases and vapours filter conforming to EN 14387.

Environmental Exposure Controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State Liquid
Appearance Liquid
Colour Light yellow

OdourNo information availableOdour ThresholdNo information available

Property Values Remarks • Method

pH No information available
Melting point / freezing point
Boiling point / boiling range
Flash Point > -20 °C / > -4 °F
Evaporation Rate No information available

Flammability (solid, gas) No information available Not applicable for liquids

Flammability Limit in Air

Upper flammability or explosive No information available

limits

Lower flammability or explosive No information available

limits

Vapour PressureNo information availableVapour DensityNo information available

Relative Density 0.84

Water Solubility
Solubility in Other Solvents
Partition Coefficient
Autoignition Temperature
Decomposition Temperature
Explosive Properties
Insoluble in water
No information available
No information available
No information available

Oxidising Properties

No information available

Kinematic Viscosity 500 mm²/s @ 40°C None known

Dynamic ViscosityNo information available

9.2. Other information

Softening Point
Molecular Weight
Solvent content (%)
Solid content (%)
Density
Bulk Density
No information available
No information available
No information available
No data available
No data available

VOC content (%)

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions.

Supercedes Date: 09-Mar-2016 Revision Number 1.01

10.2. Chemical stability

EVO-STIK TX528 ADHESIVE

Stable under recommended storage conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Keep away from heat, sparks and flames.

10.5. Incompatible materials

Strong acids and bases.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

No information or data specific to the product on this toxicological (health) effect is available.

InhalationNo data available.Eye contactSeverely irritating to eyes.Skin ContactIrritating to skin.IndestingNo data available.

Ingestion No data available.
Sensitisation No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation Not applicable.

Serious eye damage/eye irritation Not applicable.

Sensitisation Not applicable.

Germ Cell Mutagenicity Not applicable.

Carcinogenicity Not applicable.

Reproductive Toxicity No information available.

STOT - Single Exposure No information available.

STOT - Repeated Exposure No information available.

Target Organ Effects Central nervous system, Eyes, Respiratory system, Skin.

Aspiration hazard No information available.

Revision Date 24-Jul-2018

EVO-STIK TX528 ADHESIVE Supercedes Date: 09-Mar-2016

Revision Number 1.01

Revision Date 24-Jul-2018

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document mg/kg

ATEmix (dermal) 16,844.00 mg/kg ppm

ATEmix (inhalation-dust/mist) 52.00 mg/l

Component Information

Toxicity Data Data obtained on the component(s) include

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|----------------------|--|--|
| Ethyl acetate 141-78-6 | = 5620 mg/kg(Rat) | > 18000 mg/kg (Rabbit) > 20 mL/kg (Rabbit) | LC0 29.3 mg/l air |
| Methyl ethyl ketone 78-93-3 | = 2483 mg/kg (Rat) | = 5000 mg/kg (Rabbit) | = 11700 ppm (Rat) 4 h |
| Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | LD50 >5840 mg/kg Rat | LD50 >2920 mg/kg (Rat) | - |
| Hydrocarbons, C6, isoalkanes, <5% n-hexane | >16750 mg/Kg (rat) | >3350 mg/Kg (rabbit OECD 402) | 259354 mg/m³ (vapour) (rat OECD 403) |
| Xylenes (o-, m-, p- isomers) 1330-20-7 | = 3500 mg/kg(Rat) | > 1700 mg/kg (Rabbit) > 4350 mg/kg (Rabbit) | = >47635 mg/L (Rat) 4 h = >5000 ppm (Rat) 4 h |
| Ethylbenzene 100-41-4 | = 3500 mg/kg(Rat) | = 15400 mg/kg (Rabbit) | = 1432 mg/L (Rat) 4 h |
| Rosin 8050-09-7 | >2800 mg/Kg (rat) | > 2500 mg/kg (Rabbit) | = 1.5 mg/L (Rat) 4 h |
| N,N'-Ethylenebis(12-hydroxyoctad ecanamide) 123-26-2 | >2000 mg/Kg (Rat) | - | - |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects

Component Information

Data obtained on the component(s) include

| Chemical Name | Algae/aquatic plants | Fish | Crustacea | M-Factor |
|--------------------------|--------------------------------|--|---------------------------|----------|
| Ethyl acetate | EC50 48 h = 3300 mg/L | LC50 96 h 220 - 250 mg/L | EC50 48 h = 560 mg/L | |
| 141-78-6 | (Desmodesmus subspicatus) | (Pimephales promelas | (Daphnia magna Static) | |
| | | flow-through) LC50 96 h 352 - | | |
| | | 500 mg/L (Oncorhynchus | | |
| | | mykiss semi-static) LC50 96 h | | |
| | | = 484 mg/L (Oncorhynchus mykiss flow-through) | | |
| Methyl ethyl ketone | EC50=1972 mg/l | LC50 96 h 3130 - 3320 mg/L | EC50 48 h > 308 mg/L | |
| 78-93-3 | (Pseudokirchneriella | (Pimephales promelas | (Daphnia magna) | |
| | subcapitata) | flow-through) | | |
| Hydrocarbons, C7, | - | - | EL50 (48h) =3mg/L Daphnia | |
| n-alkanes, isoalkanes, | | | | |
| cyclics | | | | |
| _ | | | | |
| Hydrocarbons, C6, | 13.6 mg/l (Pseudokirchneriella | 18.3 mg/l (Oncorhynchus | 31.9 mg/l (Daphnia magna) | |
| isoalkanes, <5% n-hexane | subcapitata) | mykiss) | | |
| | | | | |
| | | | | |

EVO-STIK TX528 ADHESIVE
Supercedes Date: 09-Mar-2016

Revision Date 24-Jul-2018
Revision Number 1.01

| Xylenes (o-, m-, p- isomers) 1330-20-7 | - | LC50 96 h 2.6 mg/L (Oncorhynchus mykiss) (OECD 203) | EC50 48 h = 3.4 mg/L (water flea) | |
|---|---|--|--|--|
| Ethylbenzene 100-41-4 | EC50 72 h 2.6 - 11.3 mg/L (Pseudokirchneriella subcapitata) | LC50 96 h = 4.2 mg/L (Oncorhynchus mykiss semi-static) | EC50 48 h 1.8 - 2.4 mg/L (Daphnia magna) | |
| Rosin 8050-09-7 | EC50 72 h = 400 mg/L (Desmodesmus subspicatus) | LC50 (96h) >10mg/L Fish (Danio rerio) | EC50 48 h >100 mg/L (Daphnia magna) | |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

No information available

Endocrine Disruptor Information

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Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused

Products

Disposal should be in accordance with applicable regional, national and local laws and

regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous

substances

Other Information Waste codes should be assigned by the user based on the application for which the

product was used.

Section 14: TRANSPORT INFORMATION

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to

shipments made in non-bulk packages (see regulatory definition). The information shown here, may not always agree with the bill of lading shipping description for the material.

Land transport (ADR/RID)

14.1 UN Number UN1133 **14.2 Proper Shipping Name** Adhesives

14.3 Transport hazard class(es) 3 Labels 3 14.4 Packing Group III

EVO-STIK TX528 ADHESIVE Revision Date 24-Jul-2018
Supercedes Date: 09-Mar-2016 Revision Number 1.01

Description UN1133, Adhesives, 3, III, (E)

14.5 Environmental hazards Not applicable

14.6 Special Provisions None
Classification Code F1
Tunnel restriction code
Limited Quantity (LQ) 5 L

IMDG

14.1 UN Number UN1133 **14.2 Proper Shipping Name** Adhesives

14.3 Transport hazard class(es) 3 14.4 Packing Group

Description UN1133, Adhesives, 3, III, (-20°C c.c.)

 14.5 Marine Pollutant
 Np

 14.6 Special Provisions
 223, 955

 Limited Quantity (LQ)
 5 L

 EmS-No
 F-E, S-D

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN Number UN1133 **14.2 Proper Shipping Name** Adhesives

14.3 Transport hazard class(es) 3 14.4 Packing Group

Description UN1133, Adhesives, 3, III

14.5 Environmental hazards Not applicable

14.6 Special Provisions A3 Limited Quantity (LQ) 10 L ERG Code 3L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

EVO-STIK TX528 ADHESIVE
Supercedes Date: 09-Mar-2016
Revision Date 24-Jul-2018
Revision Number 1.01

D. J. (0040/40/EU)

Dangerous substance category per Seveso Directive (2012/18/EU)
P5a - FLAMMABLE LIQUIDS

or

P5b - FLAMMABLE LIQUIDS

or

P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

15.2. Chemical safety assessment

None

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H373 - May cause damage to organs through prolonged or repeated exposure

H304 - May be fatal if swallowed and enters airways

H332 - Harmful if inhaled

H225 - Highly flammable liquid and vapour

H412 - Harmful to aquatic life with long lasting effects

H317 - May cause an allergic skin reaction

H335 - May cause respiratory irritation

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H312 - Harmful in contact with skin

H226 - Flammable liquid and vapour

H336 - May cause drowsiness or dizziness

H411 - Toxic to aquatic life with long lasting effects

EUH066 - Repeated exposure may cause skin dryness or cracking

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls and personal protection

TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value * Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals STOT (RE): Specific target organ toxicity - Repeated exposure STOT (SE): Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 24-Jul-2018

Indication of changes

Revision Note Not applicable.

Training Advice Provide adequate information, instruction, and training for operator

EVO-STIK TX528 ADHESIVE Supercedes Date: 09-Mar-2016 Revision Date 24-Jul-2018 Revision Number 1.01

Further information No information available

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet