November 2018

TECHNICAL DATA SHEET

EVA Hotmelt 2020

EVA Simes 2020 is a Hot melt glue on EVA base with normal closing time and high tolerance of weather changes. It is a very pure glue which means you can use smaller quantities than normal.

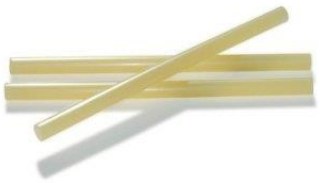
It attaches well to many soft surfaces such as paper, cardboard and wood which is why we recommend it for fast closing of carton boxes.

The product is especially designed for packaging tasks.

Simes 2020 meets the FDS CFR 175.105 adhesive requirements for intermittent contact with food.

COMMERCIAL FORMS

* Extruded forms with a diameter of 12 and 43mm



PHYSICAL FORMS

* Colours.....	Bright yellow
* Density	0.98
* Softening range	90-100°C
* Viscosity	100-200 %
* Tensile strength 23ºC.....	4500-5500 cps at 180°C
* Opening time.....	8-12 sec.
* OAR-Code.	00-3 (1993)

RUNNING TEMPERATURE RANGE

* 150-180°C depending on the type of applicator and substrates used.

PACKING

* 10kg carton box

Wood Repair by Boegh Consult A/S
VAT no.: DK25180089
Charles Lindberghsvej 6 - DK-9430 Vadum
E-mail: info@woodrepair.dk
Tel: +45 9827 1919 – Fax: +45 9827 2081
www.woodrepair.dk

SAFETY DATA SHEET

EVA HOTMELT 2020

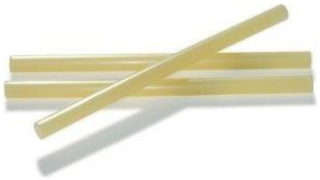
According to Directive 1999/45/EC, 2010/75/EU (VOC), Regulations (EC) Nos 1272/2008 and 1907/2006 (REACH) and CLP 1272/2008

Issued: November 2018

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

1.1 Product identifier
Product name: EVA 2020 Hotmelt glue

1.2 Relevant information of the substance/mixture and uses advised against
Use: For packaging tasks.



1.3 Details of the supplier of the Safety Data Sheet
Supplier: Wood Repair by Boegh Consult A/S
Charles Lindberghs Vej 6
DK-9430 Vadum, Denmark
Tel: +45-9827 1919
Mail: info@woodrepair.dk
Contact person: Susanne Bøgh

1.4 Emergency telephone number
24H Emergency phone: +45 82121212 Bispebjerg Hospital poisonous line

2. HAZARDS IDENTIFICATION

2.1 Classifications of the product/mixture according to 1272/2008
Not classified as hazardous

2.2 Classification according to CLP 1272/2008
Not classified as hazardous

2.3 Other information/dangers:
Safety/dangers: None in solid form. Burn hazards when melted (according to our knowledge the fumes coming from the material when applied do not show any danger). Nevertheless, we recommend use of ventilation at the working place. See §8.
OAR-code 00-3 (1993)

3. COMPOSITION – INFORMATION ON INGREDIENTS

3.1/2 Ingredients/mixture
Chemical name: EVA

None of the ingredients are classified as hazardous according to Regulation (CE) N°1907/2006 (REACH)

3.3 Other information
The full text of all H-danger sentences is shown in section 16. Exposure limits shown in section 8.

4. FIRST AID MEASURES

4.1 Description of first aid measures

In general:	Burn hazards when melted (according to our knowledge the fumes coming from the material when applied do not show any danger).
Inhalation:	Seek fresh air if you feel discomfort. See a doctor if you continue to feel discomfort.
Skin contact:	With melted product, rinse with plenty of cold water until pain disappears and continue another 15 min. Do not remove/tear off burnt product, moisturize skin with non-perfumed cream - see a doctor in case of severe burns.
Eye contact:	With melted product, rinse with plenty of cold water immediately. Remove contact lenses if possible. Continue rinsing below upper and lower eye lid (also during transport) until an ophthalmologist takes care of treatment.
Ingestion:	Wash mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if symptoms/discomfort occurs. Never give anything by mouth to unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3 Indication of any immediate medical attention and special treatment needed

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguish media: All media are usable. E.g. dry chemical, carbon dioxide, foam. Avoid using water jet as it may spread the fire.

5.2 Special hazards arising from the substance/mixture

Specific dangers: In case of high temperatures hazardous decomposition products may occur – Carbon dioxide, carbon monoxide, nitrogen oxides, sulphur oxides, dust and fumes.

5.3 Advice for firefighters

Protection: Use protection clothes and self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Protection person: See section 8

6.2 Environmental precautions

Environment: Prevent any material from entering drains or waterways.

6.3 Methods and material for containment and cleaning up

Cleaning methods: Gather spillage into waste drums or plastic bags. Melted product can be gathered after cooling.

6.4 Reference to other sections

See section 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest.

Avoid contact with melted product in eyes, on skin and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep in a dry place. Room temperature between 5° - 20°.

7.3 Specific and use(s)

To be used only as specified in Technical Data Sheet plus section 1 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits: No exposure limits for this product.

DNEL/PNEC -

8.2 Exposure controls

Tech. measures: No special ventilation requirements. Ensure easy access to water and eye rinsing bottle.

General: In the event that the working process is covered by the Directive for Work with OAR code numbered products (Labour Inspectorate Directive no. 302/1993) the personal measures must be chosen accordingly. See OAR code number in the Section 2 Hazard identification.
Smoking, eating or drinking, as well as storage of tobacco, food and drinks not allowed in working area. Wash hands and other exposed areas with mild soap and water before ingestions of food and beverage or smoking, as well as at the end of work. Ensure access to eye rinsing bottle and emergency shower (relevant for melted product). Avoid contact with skin and eyes of melted product.

Personal means: Personal means to be chosen in accordance with current CEN standards and in cooperation with the supplier of personal means.

Inhalation: Ensure process ventilation of working area.

Hand: We recommend use of non-fusible gloves.

Eye: Use protection goggles if risk of contact with melted product. EN 166

Skin: Standard non-fusible working clothes.

Environment Prevent any material from entering drains or waterways.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

* Physical state	Solid D 12mm or D 43mm rods
* Colour	Beige
* Odour	Low
* Odour threshold	Not available
* pH value	Not available
* Melting point	102°C (softening temperature)
* Boiling point	Not available
* Flash point	>250°C (open cup)
* Evaporation rate	Not available
* Flammability	Not available
* Flammability limits	Not available
* Explosive limits	Not available
* Vapour pressure	Not available
* Vapour density	Not available
* Relative density	0.98
* Solubility in water	Insoluble

* Partition coefficient (n-octanol/water) ...	Not available
* Auto ignition.....	Not available
* Decomposition temperature.....	220°C
* Viscosity	4,000 cP at 180°C
* Explosive properties.....	Not available
* Oxidising properties	Not available

9.2 Other information

Volatile Organic Compounds Content:	0%
Solids content:	100%
OAR code:	00-3 (1993).

10. STABILITY AND REACTIVITY

10.1 Reactivity There is no reactivity if used as described in Technical Data Sheet plus section 1.2 of SDS.

10.2 Chemical stability The product is stable if handled as described in Section 7.

10.3 Possibility of hazardous reactions None known

10.4 Conditions to avoid Keep away from strong heat. Do not exceed recommended temperature.

10.5 Incompatible materials The product may react with strong oxidizing agents.

10.6 Hazardous decomposition prod. In case of high temperatures hazardous decomposition products may occur – Carbon dioxide, carbon monoxide, nitrogen oxides, sulphur oxides, dust and fumes. Avoid inhalation

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Not classified.
Skin corrosion/-irritation	Prolonged exposure can cause slight irritation of the skin
Serious eye damage/-irritation	Prolonged exposure can cause slight irritation of the eyes
Respiratory or skin sensitisation	Prolonged exposure can cause slight irritation of the respiratory system
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT repeated exposure	Not classified
Aspiration hazard	Not classified
Long-term effects:	Not classified.
Other information	Avoid inhalation of fumes from melted product. However, no hazards of inhalation have been registered.

12. ECOLOGICAL INFORMATION

12.1 Toxicity Not classified hazardous to environment.

12.2 Persistence and degradability No information available

12.3 Bioaccumulative potential No information available

12.4 Mobility in soil No information available

12.5 Results of PBT and vPvB assessment -

12.6 Other adverse effects Prevent any material from entering the environment

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The product is considered non-dangerous waste.
LoW Code: 080410 "waste adhesives and sealants other than those mentioned in 080409".
Gather residues into waste containers. Destroy according to the rules given by the local/national authorities.
Packaging (card boxes) to be disposed with other cardboard packaging.

14. TRANSPORT INFORMATION

Non-dangerous product.

	ADR/RID	IMDG/IMO
14.1 UN-number	-	-
14.2 UN proper shipping name	-	-
14.3 Transport hazard class(es)	-	-
14.4 Packing group	-	-
14.5 Environmental hazard **MP** **EMS**	 - -	 - -
14.6 Special precautions for user	-	-
14.7 Transport in bulk according to Annex II of Marpol 73/78 and the BIC Code	-	-
Other information	-	-

15. REGULATORY INFORMATION

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

Ministry of the environment Directive o. 1075 dated 24th November 2011 on classification, packing, labelling, sale and storage of chemical substances and products.
Labour Inspectorate (LI) Directive no. 292 dated April 26th 2001 on Work with substances and material (chemical agents) with changes.
Directive no. 559 dated July 4th 2002 on Specific obligations for producers, suppliers and importers of substances and material in accordance with the Working Environment Act.
LI-Directive no. 507 dated 17th May 2011, with changes.
LI-Guidance 1134-2011 on Exposure limits for substances and materials.
LI-Directive no. 908 dated 27th September 2005 on Measures to prevent risk of Cancer working with substances and material, with changes.
LI- Directive no. 239 dated April 6th 2005 on Youth workers, with changes.
LI-Guidance no. 1309 dated 18th December 2012 on waste disposal.
Defence Ministry Direction no. 17 dated 4th January 2010 on flammable liquids.
LI-Directive no. 301 dated May 13th 1993 on clarification of OAR Code numbers.
Directive no. 48 dated January 13th 2010 on Waste disposal.
EC Directive 1272/2008 (CLP), EC Directive 453/2010 (Update CLP)
EC Directive 1907/2006 (REACH)

Further information: OAR code (1993) 00-3

15.2 Chemical safety assessment

No chemical safety assessment has been made for the product.

16. OTHER INFORMATION

16.1 Full wording of H-sentences in section 3:
None mentioned

EVA Hotmelt 2020 meet the FDA CFR 175.105 adhesive requirements for intermittent contact with food.

Personnel to be instructed in correct use of the product. Personnel must read this Safety Data Sheet before using the product including the Technical Data Sheet.

To the best of our knowledge the information given herewith is accurate. However no liability what so ever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.

Issued by:
Susanne Bøgh