SAFETY DATA SHEET
In compliance with (EC) Regulation No 1907/2006

REFERENCE 474

DATE 22/04/2013

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identification
Hot melt adhesives reference 474

1.2 Relevant identified uses of the product
Hot melt adhesive for guns or application machines

1.3 Details of the SDS [Safety Data Sheet] supplier
Company CVLC SAS
1 rue de la Loëze
01570 FEILLENS - FRANCE

1.4 Emergency telephone number
+33 (0) 385 361 499 (8 a.m. – 6 p.m.)

SECTION 2 : HAZARDS IDENTIFICATION

2.1 Product classification
EC Regulation No 1272/2008
This product is not classified as dangerous
EU Directives 67/548/EEC or 1999/45/EC
This product is not classified as dangerous

2.2 Labelling information
EC Regulation No. 1272/2008
This product is not classified as dangerous

2.3 Other hazards
Risk of thermal burns when the product is hot
Decomposition products: see chapter 10

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance
This product is a mixture of non-hazardous confidential components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC number</th>
<th>CAS number</th>
<th>Concentration</th>
<th>Classification Directive 67/548/EEC</th>
<th>Classification Regulation EC 1272/2008</th>
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<tr>
<td>Vinyl acetate</td>
<td>203-545-4</td>
<td>108-05-4</td>
<td>&lt; 0.5%</td>
<td>F ; R11</td>
<td>Flam. Lis.2; H225 Acute Tox. 4 (Inhalation) ; H332 STOT SE 3 ; H335 Carc. 2 ; H351</td>
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<td></td>
<td></td>
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<td></td>
<td>Xn ; R20</td>
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<td>Xi ; R37</td>
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<td>Carc Cat 3 ; R40</td>
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See Chapter 16 for risk phrases R H and EUH
SECTION 4: FIRST AID

4.1 Description of first aid
Take victim to fresh air, administer oxygen as required
In case of contact with molten material, flush with cool water and consult a doctor. Do not attempt to remove the material from skin as damaged skin is fragile.

4.2 Main symptoms and effects, both acute and delayed
The product should not be harmful if swallowed. If symptoms persist, consult a doctor.

4.3 Indication of immediate medical attention and special treatment required
No specific antidote. Treatment should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Foam, dry powder, carbon dioxide

5.2 Specific hazards arising from the mixture
Hazardous Combustion Products: During a fire, smoke may contain the original material as well as combustion products of varying composition which may be toxic and/or irritating. Combustion products may include among others: Carbon monoxide CO, carbon dioxide CO2, nitrogen oxides NOx, aldehydes, ketones, hydrocarbons and volatile acids.

5.3 Advice for fire-fighters
Fire fighting procedures
Keep people away. Flood with water to prevent a re-ignition. If the product is molten opt for a fine water spray to a direct jet.
Protective equipment
Wear a positive pressure self-contained breathing apparatus and device of protective fire-fighting clothing (fire-fighting helmet, coat, pants, boots and gloves). If this equipment is not available, fight the fire from a protected place or at a safe distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions
For more information refer to section 8 "exposure control and personal protection".

6.2 Precautions for environmental protection
Prevent from entering into soil, ditches, sewers, waterways and groundwater. See section 12 "Ecological Information"

6.3 Containment methods and materials for cleaning
Sweep up, recover where possible and dispose of according to applicable regulations. For more information, see Section 13, "Disposal Considerations"

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid breathing dust, keep the container closed. Wash hands thoroughly after use.

7.2 Safe storage conditions, including any incompatibilities
Store in a dry place, store away from direct sunlight.

7.3 Specific end use(s)
Refer to technical data sheet
SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters
EXPOSURE LIMITS
No limits set

8.2 Exposure controls
RESPIRATORY PROTECTION: Premises must be well ventilated.

EYE PROTECTION: Wear goggles to protect from molten product splashes. Do not wear contact lenses.

HAND PROTECTION: Gloves to prevent thermal burns

SKIN AND BODY PROTECTION: Protective clothing resistant at the application temperature of the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Physical state: Pellets or sticks

Colour: Refer to technical data sheet

Smell: Undefined odour in molten state

pH: Not applicable.

BOILING POINT: Not applicable.

MELTING POINT: Refer to technical data sheet

FLASH POINT: >200°C

AUTOFLAMMABILITY TEMPERATURE: >250°C

RISK OF EXPLOSION: None.

STEAM PRESSURE: Not applicable.

WATER SOLUBILITY: Insoluble.

9.2 Further information
Refer to technical data sheet

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
No known dangerous reaction under normal conditions of use

10.2 Chemical stability
Stable under recommended storage conditions. See section 7 "Handling and Storage"

10.3 Possibility of hazardous reactions
Unknown

10.4 Conditions to avoid
The product decomposes at high temperature (>260 °C) Avoid direct sunlight

10.5 Incompatible substances
None known

10.6 Hazardous decomposition products
During a fire, smoke may contain the original material as well as combustion products of varying composition which may be toxic
and/or irritating. Combustion products may include among others:
Carbon monoxide CO, carbon dioxide CO2, nitrogen oxides NOx,
aldehydes, ketones, hydrocarbons and volatile acids.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Ingestion
Low toxicity if swallowed. May cause choking if swallowed. LD50 has not been determined.

Dermis
No adverse effects anticipated by skin absorption. Dermal LD50 has not been determined

Inhalation
At room temperature exposure to vapours is minimal due to low volatility. Vapours from heated material may cause respiratory irritation. LC50 has not been determined

Allergy
Not expected to cause allergic skin reactions

Toxicity (genetics/breeding/carcinogenicity)
No data found

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
No acute toxicity found but the product in pellet form may cause adverse mechanical effects if ingested by waterfowl or aquatic life.

12.2 Persistence and biodegradability
No biodegradation is expected to occur

12.3 Potential for bioaccumulation
No bioconcentration is expected due to high molecular weight (greater than 1000)

12.4 Mobility in soil
In the terrestrial environment the product is expected to remain in the soil, in the aquatic environment it is expected to float.

12.5 PBT and vPvB results
This product has not been assessed

12.6 Other adverse effects
No relevant data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment procedures
Dispose of in accordance with national and local regulations. Do not discharge into sewers, on the ground or into any body of water.

SECTION 14: TRANSPORT INFORMATION

BY ROAD and RAIL transport: non-regulated
BY SEA: non-regulated
BY AIR: non-regulated
WATERWAYS: non-regulated

SECTION 15: REGULATORY INFORMATION
15.1 Substance or mixture specific safety, health and environment regulation/legislation

EINECS: components are either included in EINECS or are exempt

15.2 Chemical Safety Assessment Not applicable.

SECTION 16: OTHER DATA

Full text of R-, H- and EUH-phrases mentioned in Section 3

R11: highly flammable
R20: harmful by inhalation
R37: irritating to respiratory system
R40: limited evidence of a carcinogenic effect
H225: highly flammable liquid and vapour
H332: harmful by inhalation
H335: may cause respiratory irritation
H351: may cause cancer

LIST OF REVISIONS

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<tr>
<td>04.09.08</td>
<td>File created</td>
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<tr>
<td>10.02.09</td>
<td>Sections 3 and 15 added</td>
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<tr>
<td>22.04.13</td>
<td>SDS Redesign</td>
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