

SAFETY DATA SHEET

In compliance with (EC) Regulation No 1907/2006

Hot Melt Glue Stick

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DATE 10/12/2015

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

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| 1.1 Product identification | Hot melt adhesives reference |
| 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 | Isaberg Rapid AB
Metallgatan 5,
330 27 Hestra, Sweden
Tel : +(46) 370 33 95 00
www.rapid.com |
| 1.4 Emergency telephone number | 112 At all time (Urgent)
Control Center Poison +46-8-33 12 31 (Less urgent accidents) |

SECTION 2 : HAZARDS IDENTIFICATION

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| 2.1 Product classification | <u>EC Regulation No 1272/2008</u>
This product is not classified as dangerous
<u>EU Directives 67/548/EEC or 1999/45/EC</u>
This product is not classified as dangerous |
| 2.2 Labelling information | <u>EC Regulation No. 1272/2008 (CLP)</u>
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

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| 3.1 Substance | This product is a mixture of non-hazardous confidential components |
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See Chapter 16 for risk phrases R H and EUH

SECTION 4 : FIRST AID

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| 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

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| 5.1 Extinguishing media | Foam, dry powder, carbon dioxide |
| 5.2 Specific hazards arising from the mixture | <u>Hazardous Combustion Products:</u> 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 CO ₂ , nitrogen oxides NO _x , aldehydes, ketones, hydrocarbons and volatile acids. |
| 5.3 Advice for fire-fighters | <u>Fire fighting procedures</u>
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.
<u>Protective equipment</u>
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

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| 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

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| 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 CO ₂ , nitrogen oxides NO _x , aldehydes, ketones, hydrocarbons and volatile acids.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	<p><u>Ingestion</u> Low toxicity if swallowed. May cause choking if swallowed. LD50 has not been determined.</p> <p><u>Dermis</u> No adverse effects anticipated by skin absorption. Dermal LD50 has not been determined</p> <p><u>Inhalation</u> 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</p> <p><u>Allergy</u> Not expected to cause allergic skin reactions</p> <p><u>Toxicity (genetics/breeding/carcinogenicity)</u> No data found</p>
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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.
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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

This document completes the product's technical data sheet without replacing it. The information and recommendations made with respect to the use of this product are given in good faith, based on our knowledge available as at 2015-12-01. A reminder list of the main Regulatory and Legislative texts can be joined for user's guidance only. Besides, the purchaser's attention is drawn to the risks incurred when a product is used for other applications than those for which it is intended. Employers should use this information only as an addition to other information gathered by them. It is their liability to take independent determinations of suitability and completeness of information from all sources to assure proper use of the product, and the Health and Safety of employees for which they are accountable.

LIST OF REVISIONS

Date	Type of revision
20.10.08	File created
10.12.09	Sections 3 and 15 added
14.05.14	SDS Redesign
10.12-15	Added new ref- and other data