



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name	H2211CA
MSDS name	H2211CA
CAS #	Mixture
Product use	Hot Melt Adhesive
Generic description	Styrenic Copolymer Based Formulation
Manufacturer	Bostik, Inc. 11320 Watertown Plank Road Wauwatosa, WI 53226 U.S.A.
24 hour emergency assistance	Telephone: 1-800-227-0332 (Outside U.S.) 1-703-527-3887
General assistance	Telephone: 1-414-774-2250
MSDS assistance	Telephone: 1-414-607-1224

2. Hazards Identification

Emergency overview	Contact with this material can cause irritation to the skin, eyes and mucous membranes. Contact with molten material will cause thermal burns.
Potential health effects	
Eyes	HOT MOLTEN material can cause irreversible eye injury and burns. Contact with SOLID material may cause irritation with temporary redness with stinging and tearing.
Skin	When it is heated, this material may cause thermal burns.
Inhalation	Inhalation of mist causes irritation of respiratory system.
Ingestion	Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. Molten material will produce burns to the gastrointestinal tract.
Fire and explosion	This product will not ignite under normal situations but can be ignited in the extreme heat associated with a fire. Vapors are lighter than air and should rise, accumulating in overhangs and ceilings. In a fire situation, exposed containers may build up pressure and burst explosively spewing hot material. Irritating and potentially harmful vapors may be released in a fire or spill situation.

3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First Aid Measures

First aid procedures

Eye contact	If hot product contacts eye, flush with water for at least 15 minutes and seek medical attention immediately.
Skin contact	If hot product contacts skin, cool under running water and get medical attention. Cool melted product on skin with plenty of water. Do not remove solidified product.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, get medical attention.
Ingestion	If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.

5. Fire Fighting Measures

Hazardous combustion products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Extinguishing media	
Suitable extinguishing media	Dry chemical, foam, carbon dioxide. A solid stream of water may scatter molten product.

Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.
Dust explosion hazard	None Known
Sensitivity to static discharge	None Known
Unusual fire & explosion hazards	Do not use water on molten adhesive to avoid splattering and spreading of fire.
Flash point	> 400 °F (> 204.4 °C)

6. Accidental Release Measures

Emergency action	Wear appropriate protective equipment and clothing during clean-up. Follow all Local, State, Federal and Provincial regulations for disposal.
Containment procedures	Isolate spill area. Stop discharge if safe to do so. Pellet or chip spill: Collect and contain for salvage or disposal. Molten adhesive spill: Placard hot material, allow to cool and remove. Collect and contain for salvage or disposal. Stop material from contaminating soil or from entering sewers or water streams.
Reporting	See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

7. Handling and Storage

For Commercial Use Only - Not Packaged or Labeled for Home Use!

Handling	Avoid contact with skin and eyes. Avoid contact with molten material. Wash thoroughly after handling. Avoid breathing fumes if this product is used at high temperatures. Use this product with adequate ventilation.
Storage	Keep the container tightly closed and dry.
Empty container precaution	Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8. Exposure Controls / Personal Protection

Engineering controls	Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.
Personal protective equipment	
Eye protection	Wear safety glasses; chemical goggles for fumes which may arise from thermal processing. Wear chemical goggles; face shield (if handling molten material).
Skin and body protection	Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. For molten product, use any type rubber thermal insulating gloves and other clothing as necessary to protect from thermal burns.
Respiratory protection	When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.
General	Eye wash fountain and emergency showers are recommended.

9. Physical & Chemical Properties

Target solids	100 %
pH	N/A
Density	0.94 g/cc
Odor	Slight
Color	Amber
Physical state	Solid
Freeze protect	No

10. Chemical Stability & Reactivity Information

Hazardous reactions/decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
---	--

Hazardous polymerization	Will not occur.
Conditions to avoid	Do not add water or other volatile material to molten adhesive. Avoid excessive overheating.
Stability	Stable under normal conditions. This product may react with strong acids, bases and oxidizing agents.

11. Toxicological Information

Carcinogenicity If this product contains any carcinogens, they will be noted below:

12. Ecological Information

Bostik's hot melt adhesives are manufactured without the intentional use of volatile organic compounds and/or hazardous air pollutants regulated by the EPA in the Clean Air Act Amendment of 1990.

Ecotoxicological information No data available for this product.

13. Disposal Considerations

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

Waste disposal Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

14. Transport Information

DOT

Not regulated as hazardous goods.

IATA

Not regulated as hazardous goods.

IMDG

Not regulated as hazardous goods.

15. Regulatory Information

The product(s) covered by this M(SDS) do not include any of the substances above a concentration of 0.1% weight by weight (w/w) in the Candidate List of Substances of Very High Concern (SVHC) for authorization published or proposed by ECHA as follows: the list of 15 substances for authorization published on October 28, 2008, the list of 15 substances proposed on August 31, 2009, the list of 14 substances proposed on January 13, 2010, the list of 8 substances proposed on March 8, 2010, the list of 8 substances proposed on June 18, 2010, the list of 11 substances proposed on October 14, 2010.

Federal regulations	All components are on the U.S. EPA TSCA Inventory List.
State regulations	If this product contains any California Proposition 65 chemicals at reportable levels they will be listed below:
International regulations	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.
HMIS Ratings	Health: 1 Flammability: 1 Physical hazard: 0 Personal protection: X
SARA 311/312 HAZARD CATEGORIES	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
WHMIS status	Non-controlled

16. Other Information

Disclaimer

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Issue date

10/06/2010

Prepared by

Bostik, Inc. Regulatory Affairs

Supersedes

01/25/2010

This data sheet contains changes from the previous version in section(s):

Regulatory Information: State regulations
Regulatory Information: Default Statements