

Material Safety Data Sheet

Date prepared : July 16 2002
Date revised : July 16 2002
Document identifier : 20020715041000-5

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : HM-220(ASAHIMELT M3700)
Company Name : ASAHI CHEMICAL SYNTHETIC CO., LTD
Section in its duty : Sales Department
Address : 2-18-10 NAKACHOU TODA - SHI. SAITAMA, JAPAN
Phone : 048-441-5625 (Japan)
Fax : 048-441-5645 (Japan)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Composition : Mixture
Chemical name : Ethylene - vinyl acetate copolymer - based hot melt adhesives.
Synonyms : EVA - based HMA
Main ingredient name and content:
100% such as an Ethylene - vinyl acetate copolymer etc.
UN Classification, UN Dangerous Goods Number:
Number : Not assigned
Classification : Not assigned

3. HAZARDS IDENTIFICATION

This product has no hazardous ingredients.

Eye contact : Dust/powder may irritate eye tissue.
Rubbing may cause abrasion of the cornea.
Symptoms may include irritation, redness, scratching of the cornea,
and tearing.

Skin contact : Prolonged or repeated skin contact may cause irritation.
Hot/molten product may cause thermal burns.

Inhalation : Inhalation of dusts may cause respiratory irritation.
Inhalation of vapor/fumes from molten product may cause
respiratory irritation with throat discomfort, coughing and difficulty
breathing.
Inhalation of vapors/fumes from molten product may cause
congestion of respiratory, dizziness and nausea.

Ingestion : Ingestion of small amounts is not expected to produce adverse
health effects.
Ingestion of large quantities may result in gastrointestinal
disturbances including irritation, nausea, and diarrhea.

4. FIRST-AID MEASURES

Eye contact : When hot/molten product goes into an eye, cool with water
immediately and get medical attention.

- Skin contact : In case of skin contact, wash immediately with soap and water. If hot/molten product contacts skin, cool under running water. Do not attempt to remove the hot/molten or cooled product from the skin. Get medical attention.
- Inhalation : In the case of inhalation of vapors/fumes from molten product, remove to fresh air immediately, and keep at rest, and get medical attention if necessary.
- Ingestion : If swallowed, contact a physician or poison control center immediately. Do not induce vomiting unless directed to do so by medical personnel.

5. FIRE-FIGHTING MEASURES

- Extinguishing media : Dry chemical powder, CO₂, foam. In case of large fires, foam should be used.
- Fire fighting : Keep personnel removed and windward of fire, wearing self-contained breathing apparatus or proper eyes and skin protector.
- Formation gases in fire : CO, CO₂, and other toxic gases as thermal decomposition products.

6. ACCIDENTAL RELEASE MEASURES

When hot/molten product leak out, put on protective equipment (see section 8) remove source of fire and prevent from entering drains, ensure adequate ventilation, and then remove off after cooling.

7. HANDLING AND STORAGE

- Avoid breathing fumes if product is used at high temperatures.
- Handle with protective gloves, long sleeve clothes, safety glasses.
- Keep away from fire at handling and storage.
- Store in a tightly closed container and in the dark.
- Guard against dust and water accumulation of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation : Provide local exhaust and general ventilation systems.
- Protective glasses : Required.
- Eye protection : Required, (safety glasses, face protection)
- Protective clothes : Long sleeve clothes, safety shoes etc.
- Work/hygianic practice : Safety showers and eye-wash fountains.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state and Appearance: White Solid
- R&B Softening point : 104°C
- Specific gravity : 0.7-1.3 at 23°C (Water = 1)
- Solubility (water) : insoluble in water
- Flash point : >210°C
- Inflammability : Yes

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10. STABILITY AND REACTIVITY

- Stability : Stable at normal temperature and pressure.
- Reactivity : At the temperature exceeding near 200°C, polymerization or decomposition is promoted and the rising viscosity, gelling, etc. are caused.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with any local, state or national regulations.
Incineration under approved incinerator is the preferred method.

14. TRANSPORT INFORMATION

Transport should be in accordance with any local, state or national regulations.
Dangerous good of IMO (sea transport) and ICAO (air transport):
UN number : Not assigned
Class : Not assigned

15. REGULATORY INFORMATION

Any existing national regulations for handling of "Ethylene - vinyl acetate copolymer - based hot melt adhesives" must be observed.

16. OTHER INFORMATION

The data here is based on our current knowledge and experience.

The data can be revised by new information.

The purpose of this Safety Data Sheet is to describe the products from the point of view of safety requirements.

Therefore it should not be construed as guaranteeing specific properties.