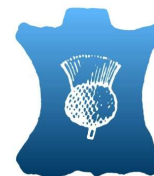




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HEALTH AND SAFETY AND TECHNICAL INFORMATION

PVA M289

Revision Date – March 2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier Product name M289

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|-----------------------|----------------------|
| Physical hazards | Not Classified |
| Health hazards | Elicitation - EUH208 |
| Environmental hazards | Not Classified |

2.2. Label elements

Hazard statements EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE, Reaction mass of: 5-chloro-2-methyl-4-iso thiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

(3:1). May produce an allergic reaction.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

| | | |
|---------------|------------------------------|----------------------|
| 3.2. Mixtures | 1,2-BENZISOTHIAZOL-3(2H)-ONE | <1% |
| | CAS number: 2634-33-5 | EC number: 220-120-9 |
| | M factor (Acute) = 1 | |

Classification

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 2 - H411

Reaction mass of: 5-chloro-2-methyl-4-iso thiazolin-3-one

[EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no.220-239-6] (3:1)

<1%

CAS number: 55965-84-9

EC number: 611-341-5

M factor (Acute) = 10

M factor (Chronic) = 10

Classification

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Acute Tox. 3 - H331

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

The full text for all hazard statements is displayed in Section 16.

Composition comments Water-based PVA/VAE adhesive

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. |
| Ingestion | Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. |
| Eye contact | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel. |

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters

Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Non-hazardous substance. Contain and absorb spillage with sand, earth or other non-combustible material.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Protect from freezing and direct sunlight. Store in closed original container at temperatures between 5°C and 25°C. Store in tightly-closed, original container. Keep container dry.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment

| | |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye/face protection | Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. |
| Hand protection | Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. |
| Other skin and body protection | Use barrier creams to prevent skin contact. |
| Hygiene measures | Use appropriate skin cream to prevent drying of skin. Wash hands after handling. |
| Respiratory protection | No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs. |

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|-----------------------------------|
| Appearance | Liquid. |
| Colour | White/off-white. |
| Odour | Slight. |
| pH | pH (concentrated solution): 5 - 7 |
| Initial boiling point and range | TREAT AS WATER (100°C)°C @ |
| Relative density | 1.08 @ °C |
| Solubility(ies) | Miscible with water. |

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

| | |
|-----------|---------------------------------------------------------------------|
| Stability | Stable at normal ambient temperatures and when used as recommended. |
|-----------|---------------------------------------------------------------------|

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

| | |
|---------------------|-----------------------------|
| Conditions to avoid | Avoid freezing. Avoid heat. |
|---------------------|-----------------------------|

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products

Protection against nuisance dust must be used when the airborne concentration exceeds 10mg/m³. Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|----------------------------------|------------------------------------------------------------------------|
| General information | No specific health hazards known. |
| Ingestion | May cause discomfort if swallowed. May cause stomach pain or vomiting. |
| Skin contact | Prolonged and frequent contact may cause redness and irritation. |
| Eye contact | May cause temporary eye irritation. |
| Acute and chronic health hazards | No specific health hazards known. |

SECTION 12: Ecological Information

| | |
|-------------|-------------------------------------------------------------------------|
| Ecotoxicity | The product contains a substance which is harmful to aquatic organisms. |
|-------------|-------------------------------------------------------------------------|

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Disposal methods | Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------|

SECTION 14: Transport information

| | |
|---------|--------------------------------------------------------------------------------------------------------------------|
| General | The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). |
|---------|--------------------------------------------------------------------------------------------------------------------|

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Classification, Labelling and Packaging (CLP) Regulation ((EC) No 1272/2008)

Guidance The Classification, Labelling and Packaging (CLP) Regulation ((EC) No 1272/2008)

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 23/03/2015

Revision 6

Supersedes date 29/10/2014

Hazard statements in full EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE, Reaction mass of: 5-chloro-2-methyl-4-iso thiazolin-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6]

(3:1). May produce an allergic reaction.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.