

DATE OF ISSUE : December 2016

1.1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

PRODUCT NAME.....: Glass & Porcelain Markers - Pack of 8
 ITEM CODE.....: CS8000
 FORMULA.....: Not applicable (mixture)
 CAS NO. AND NAME.....: Not applicable (mixture)

1.2. COMPANY IDENTIFICATION

Company: Modern Teaching Aids Pty Ltd
 ABN: 98 000 628 786
 Address: Level 1, 122-126 Old Pittwater Road, Brookvale, NSW, Australia 2100
 TEL: 1800 251 497

Emergency Phone Number: Australia – 13 11 26 (Poisons Information Centre)

2. HAZARD IDENTIFICATION

2.1 Classification of substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Hazard statements

Not applicable

Precautionary statements

Not applicable

contains: not applicable

Supplemental Hazard Information (EU)

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Product description / chemical characterization

Description

Hazardous ingredients

Classification according to Regulation (EC) No 1272/2008 [CLP]

| EC No. CAS No. INDEX No. | REACH No. Chemical name classification: | Wt % Remark |
|--------------------------------|---|--|
| 200-289-5 56-81-5 | 01-2119471987-18-xxxx Glycerol | 2,5-5 *Substance with a common (EC) occupational exposure limit value. |

Additional information

*Substance with a common (EC) occupational exposure limit value.

Full text of classification: see section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

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

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

Strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4 **Reference to other sections**

Observe protective provisions (see chapter 7 and 8).

7. HANDLING AND STORAGE

7.1 **Precautions for safe handling**

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure – no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2 **Conditions for safe storage, including any incompatibilities**

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure – no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5°C and 25°C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 **Specific end use(s)**

Observe technical data sheet. Observe instructions for use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 **Control parameters**

Occupational exposure limit values:

Glycerol

EL No. 200-289-5 / CAS No. 56-81-5

TWA: 10mg/m³

Additional information

TWA : long-term occupational exposure limit value

STEL : short-term occupational exposure limit value

Ceiling : peak limitation

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Use the following filter types for cleaning waste gases:0

Hand protection

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl rubber) / Butyl caoutchouc (butyl rubber).

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:

Physical state liquid
Colour refer to label
Odour characteristic

Safety relevant basis data

| | Unit | Method | Remark |
|-----------------------------|------------------------|-----------|--------|
| Flash point (°C): | >100 °C | | |
| Ignition temperature in °C: | 371 °C | | |
| Lower explosion limit: | 0,9 Vol-% | | |
| Upper explosion limit: | 12,6 Vol-% | | |
| Vapour pressure at 20°C: | 1,1116 mbar | | |
| Density at 20°C: | 1.18 g/cm ³ | | |
| Water solubility (g/L): | partially soluble | | |
| pH at 20°C: | - | | |
| Viscosity at 20°C: | 145 s 2 mm | DIN 53211 | |

| | | |
|------------------------------|------------|---------|
| Solvent separation test (%): | < 3 % | ADR/RID |
| Solid content (%): | 42,97 Wt % | |
| solvent content: | | |
| Organic solvents: | 9 Wt % | |
| Water: | 48 Wt % | |

9.2 Other Information

10. STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

10.6 Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Classification according to Regulation (EC) No 1272/2008 [CLP]

No data on preparation itself available.

11.1 Information on toxicological effects

Acute toxicity

glycerol

oral, LD50, Rat: 12600 mg/kg

dermal, LD50, Rabbit: > 18700 mg/kg

skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nervous system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in a

non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself.

12. ECOLOGICAL INFORMATION

Overall evaluation

Classification according to Regulation (EC) No. 1272/2008 [CLP]

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1 Toxicity

glycerol

Fish toxicity, LC50, Carassius auratus (goldfish): > 5000 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): > 10000 (24 h)

Fish toxicity, LC50, Leuciscus idus (golden orfe): >10000 (96 h)

Long-term Ecotoxicity

Toxicological data are not available.

12.2 Persistence and degradability

Toxicological data are not available.

12.3 Bioaccumulative potential

Toxicological data are not available.

12.4 Mobility in soil

Toxicological data are not available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to direction 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 080111

Packaging

Recommendation

Non contaminated packages may be recycled. Vessels not properly emptied are special waste.

14. TRANSPORT INFORMATION

No dangerous good in sense of this transport regulation.

14.1 UN number

Not applicable.

14.2 UN proper shipping name

- 14.3 **Transport hazard class(es)** Not applicable.
- 14.4 **Packing Group** Not applicable.
- 14.5 **Environmental hazards**
Land transport (ADR/RID) Not applicable.
Marine pollutant Not applicable.
- 14.6 **Special precautions for user**
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6-8.
Additional information
Land transport (ADR/RID)
Tunnel restriction code
Sea transport (IMDG)
EmS-No.
- 14.7 **Transport in bulk according to Annex II of MARPOL and the IBC Code**
not applicable
-

15. REGULATORY INFORMATION

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU legislation
Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).
VOC-value (in g/L) ISO 11890-2: 107,446
VOC-value (in g/L) ASTM D 2369: 246,816
National regulations
Restrictions of occupation
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Other regulations, restrictions and prohibition regulations
- 15.2 **Chemical Safety Assessment**
Chemical safety assessments for substances in this preparation were not carried out.
-

16. OTHER INFORMATION

Full text of classification in section 3.

The information given is based on our knowledge of this product at the time of publication and given in good faith .

Please consult the relevant product and/or application information for this product.
