

## Material Safety Data Sheet (MSDS)

### 1 Identification of the substance/mixture and of the company/undertaking

**.Product name:** Glue sticks

**.Product code:** CS1381, CS1382, CS1661, CS1662

**.Manufacturer/Supplier:** Modern Teaching Aids Pty Ltd

**Address:** Level 1, 122-126 Old Pittwater Road, Brookvale, NSW, Australia 2100

**.Tel:** 1800 251 497

**.Emergency Telephone Number:** Australia – 13 11 26 (Poisons Information Centre)

### 2 Hazards identification

**.NFPA ratings (scale 0 - 4)**



Health = 0; Fire = 1; Reactivity = 0

**.Classification of the substance or mixture**

**.Classification according to GHS :** Not classified as dangerous goods.

**.Classification according to Regulation (EC) No 1272/2008:** The product is not classified according to the CLP regulation.

**.Classification according to Regulation 29 CFR 1910.1200:**

The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

**.Labelling elements according to Regulation (EC) No 1272/2008 and GHS:** Not applicable.

**.Hazard pictograms:** Not applicable.

**.Signal word:** Not applicable.

**.Emergency Overview:** Irritating vapors to respiratory system and eyes may form when product is processing at high temperatures or burning. Molten or heating material in skin contact can cause severe burns.

**.Potential Acute Health Effects:**

**.Eyes:** Under normal circumstances products is no eye contact hazard.

Heated or burning product: Vapors or fume formed may be irritating to the eye when product is heating or burning.

**.Skin:** Normally no known acute effects of this product resulting from skin contact.

However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

Heat melted or burning material: Skin contact can cause serious thermal burns.

**.Inhalation:** Negligible at room temperature. Irritating vapors or fume can be irritating to the upper respiratory tract. when the product is processing at high temperatures or burning.

**.Ingestion:** This products is not toxic, and normally the product is not easy to ingested.

**.Potential Chronic Health Effects:**

**.CARCINOGENIC EFFECTS:** This material is not a carcinogen. Classified NONE by NTP, OSHA and by IARC.



**.MUTAGENIC EFFECTS:** Not available.

**.TERATOGENIC EFFECTS:** Not available.

**.Other hazards:** No information available.

### 3 Composition/information on ingredients

**.Description:** Mixture of substances as per client submission listed below with additions.

<b>Components Name</b>	<b>CAS Number</b>	<b>Weight Percent (%)</b>
Ethylene-vinyl acetate copolymer (EVA)	24937-78-8	50%
Resin	64742-16-1	38%
Paraffin wax	8002-74-2	12%

### 4 First aid measures

**In general, there is no danger of contact with this product. If necessary according to the following first aid measures**

**.After inhalation:** In general the material is not expected to present an inhalation hazard. If inhaling the combustion smoke, leave the site to the fresh air, keep the respiratory tract open, If dyspnea occurs, seek medical attention with oxygen transfusion.

**.After skin contact:** Generally no skin contact hazards, Cool skin rapidly if contacted with molten product.

Obtain medical attention for thermal burn and other physical damage.

**.After eye contact:** Generally no risk of eye contact, The usual measures is flush eyes with plenty of water for a few minutes, occasionally lifting the upper and lower eyelids.

**.After swallowing:** Don not eat anything, If symptoms persist consult doctor.

**.Most important symptoms and effects, both acute and delayed:** No specific symptoms known.

**.Indication of any immediate medical attention and special treatment needed:** No special treatment required.

### 5 Fire-fighting measures

**.Suitable Extinguishing Media:** Water, CO2, Dry Chemicals, Foam-Fog..

**.Unsuitable extinguishing media:** Not available.

**.Special hazards arising from the substance or mixture:** Dense smoke emitted when burned without sufficient oxygen. Powder or dust dispersed in the air is at risk of combustion and explosion.

**.Hazardous decomposition products in case of fire:** Heating or burning will release toxic gases or fumes.

**.Firefighters protective equipment and protection measures:** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents Avoid breathing fire gases or vapors.

### 6 Accidental release measures

**.Personal precautions, protective equipment and emergency procedures:** For personal protection, see Section 8.

**.Measures for environmental protection:** Do not allow much product to reach sewage system or any water course.

**.Methods and material for containment and cleaning up:** This product is solid, Small leak is meaningless, where have scattered on the ground only need to clean up it, Scrap should be reclaimed for recycling. The recycling personnel should take the corresponding personal protection.

## 7 Handling and storage

**.Precautions for safe handling:** Handling of product may form nuisance dust. Protect personnel. Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards.

**.Conditions for safe storage, including any incompatibilities:** Keep in a cool and dry place. Combustible materials should be stored away from extreme heat. The storage area shall be equipped with fire extinguishing devices.

## 8 Exposure controls/personal protection

**.Control parameters:** Not available.

**.Appropriate engineering controls:** Handling of these products need keep good ventilation.

**.Respiratory Protection:** No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U.S. State or EU Standard.

**.Body Protection:** No special protective clothing is required.

**.Protective Gloves:** Unnecessary, When need choose rubber gloves or other insulated gloves.

**.Eye Protection:** Unnecessary, When necessary wear chemical goggles or face shield.

## 9 Physical and chemical properties

<b>.General Information</b>	
<b>Form:</b>	Solid
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>.Change in condition</b>	
<b>Melting point /Melting range:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>.Upper/lower flammability or explosive limits:</b> Not available	
<b>.Density:</b>	
<b>.Relative density:</b>	>1 (Water=1)
<b>.Vapor density:</b>	Not available
<b>.Solubility in/Miscibility with</b>	
<b>Water:</b>	Insoluble
<b>.PH-Value:</b>	Not available
<b>.Viscosity:</b>	Not available

### **10 Stability and reactivity**

- .Reactivity and Chemical Stability: Stable under normal temperatures and pressures.*
- .Possibility of hazardous reactions: Will not occur.*
- .Conditions to Avoid: Avoid contact with ignition sources and Incompatible materials.*
- .Incompatible Materials: No further relevant information available.*
- .Hazardous decomposition Products: Not applicable.*

### **11 Toxicological information**

- .Toxicity to Animals:*
  - LD50: Not available.*
  - LC50: Not available.*
- .Chronic Effects on Humans: No further relevant information available.*
- .Other Toxic Effects on Humans: None*

### **12 Ecological information**

- .Ecotoxicity: May cause long-term adverse effects in the environment.*
- .Persistence and degradability: Not easily degradable.*
- .Bioaccumulative potential: No further relevant information available.*
- .Mobility in soil: No further relevant information available.*
- .Other adverse effects: No further relevant information available.*

### **13 Disposal considerations**

- .Product: Must be disposed of in accordance with applicable Federal, state and local regulations.*
- .Recommendation: Recycling if possible, not be dispose together with household garbage.*
- .Uncleaned packaging: Recommendation Disposal must be made according to official regulations.*

### **14 Transport information**

- .UN Proper Shipping Name: Not applicable.*
- .UN Number: Not applicable.*
- .Packing Group: Not applicable.*
- .Marine Pollutant: Not available.*
- .Special Provisions for Transport: Not applicable.*
- .DOT Classification: Not a DOT controlled material (United States).*
- .TDG Classification: Not controlled under TDG.*
- .ADR/RID Classification: Not controlled under ADR.*
- .IMO/IMDG Classification: Not controlled under IMDG.*
- .ICAO/IATA Classification: Not controlled under IATA.*

## 15 Regulatory information

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

**.TSCA inventory:** CAS No. 24937-78-8 and 8002-74-2 listed as commercial status active on the TSCA, CAS No. 24937-78-8 listed as exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711). CAS No. 8002-74-2 listed as Unknown or Variable Composition, Complex Reaction Products and Biological Materials.

**.WHMIS:** Not controlled under WHMIS.

**.California Prop.65:**There are no Proposition 65 chemicals present in this products levels that would require a warning under the California Safe Drinking Water and Toxic Enforcement Act.

**.REACH Regulation List of Substances of very high concern (SVHC):** None of the ingredients is listed.

**.Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

**The contents and format of this MSDS Comprehensive reference with ISO Commission Directive ISO11014:2009, GHS, And EU Regulation EC No 1272/2008 (CLP).**

### **DISCLAIMER OF LIABILITY**

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

### **• Abbreviations and acronyms:**

**NFPA:** U.S. National Fire Protection Association.

**GHS:** Globally Harmonized System of Classification and Labelling of Chemicals.

**CLP:** Classification, labeling and packaging.

**NTP:** U.S. National Toxicology Program.

**OSHA:** Occupational safety and health administration.

**IARC:** International agency for research on cancer.

**CAS:** Chemical Abstracts Service (division of the American Chemical Society).

**ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road.

**RID:** Regulations Concerning the International Transport of Dangerous Goods by Rail.

**IMDG:** International Maritime Code for Dangerous Goods.

**IATA:** International Air Transport Association.

**ICAO:** International Civil Aviation Organization.

**TDG:** Transportation of Dangerous Goods Program.

**DOT:** U.S. Department of Transportation.

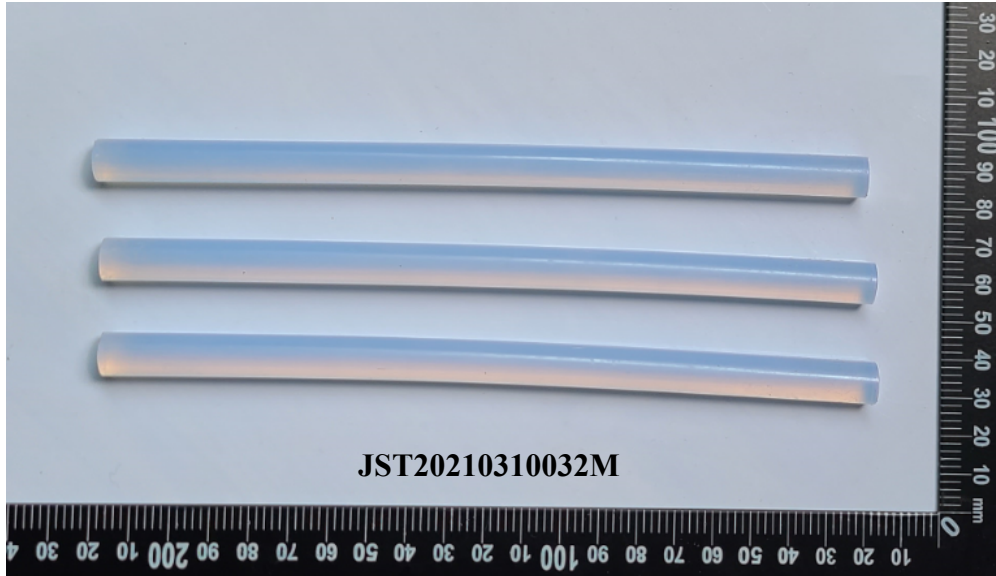
**ACGIH:** American Conference of Governmental Industrial Hygienists.

**TSCA:** Toxic Substances Control Act.

**LC50:** Lethal concentration, 50 percent.

**LD50:** Lethal dose, 50 percent.

**Sample photo:**



\*\*\*\*\*The End\*\*\*\*\*