# Safety Data Sheet



This Safety Data Sheet has been prepared in accordance with the SS586 Specification for Hazard Communication for Hazardous Chemicals and Dangerous Goods.

| | | | |
|---|---|---|---|
| **Document group:** | 09-4549-3 | **Version number:** | 2.01 |
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## SECTION 1: Identification

**1.1. Product identifier**
Scotch(R) Permanent White Glue Stick 6008, 6015, 003, 0038, 6025

**1.2. Recommended use and restrictions on use**

**Recommended use**
Adhesive

**1.3. Supplier's details**
**Address:** 3M Technologies (S) Pte Ltd,10 Ang Mo Kio Street 65, Singapore 569059
**Telephone:** +65 6450 8888
**Website:** www.3m.com.sg

**1.4. Emergency telephone number**
+65 6591 6601 (8.15am - 5.00pm, Monday - Friday)

## SECTION 2: Hazard identification

**2.1. Classification of the substance or mixture**
This product is not classified as hazardous per GHS criteria as implemented by Singapore Standard SS586: 2022.

**2.2. Label elements**
**SIGNAL WORD**
Not applicable.

**Symbols**
Not applicable

**Pictograms**
Not applicable

**2.3. Other hazards**
All or part of the classification is based on toxicity test data.

## SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | CAS Nbr | % by Wt |
|---|---|---|
| Water | 7732-18-5 | 40 - 55 |
| Sucrose | 57-50-1 | 20 - 25 |
| Acrylic copolymer | Trade Secret | 10 - 20 |
| N-Vinylpyrrolidinone polymer | 9003-39-8 | 5 - 10 |
| Sodium stearate | 822-16-2 | 5 - 10 |
| Glycerol | 56-81-5 | 1 - 5 |
| Amino-2-methylpropanol | 124-68-5 | 0.4 - 0.5 |

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Inhalation**
Remove person to fresh air. If you are concerned, get medical advice.

**Skin contact**
Wash with soap and water. If you are concerned, get medical advice.

**Eye contact**
If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

**If swallowed**
Rinse mouth. If you are concerned, get medical advice.

**4.2. Most important symptoms and effects, both acute and delayed**
No critical symptoms or effects. See Section 11.1, information on toxicological effects.

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable

## SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**
Non-combustible. Use a fire fighting agent suitable for surrounding fire.

**5.2. Special hazards arising from the substance or mixture**
None inherent in this product.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Carbon monoxide. | During combustion. |
| Carbon dioxide. | During combustion. |

**5.3. Special protective actions for fire-fighters**
No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**
Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**
Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protective equipment (eg. gloves, respirators…) as required.

**7.2. Conditions for safe storage including any incompatibilities**
Store away from acids.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Occupational exposure limits**
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|---|---|---|---|---|
| Glycerol | 56-81-5 | Singapore PELs | TWA(as mist)(8 hours):10 mg/m3 | |
| Sucrose | 57-50-1 | ACGIH | TWA:10 mg/m³ | A4: Not class. as human carcin |
| Sucrose | 57-50-1 | Singapore PELs | TWA(8 hours):10 mg/m3 | |
| STEARATES | 822-16-2 | ACGIH | TWA(respirable fraction):3 mg/m3;TWA(inhalable fraction):10 mg/m3 | A4: Not class. as human carcin |
| STEARATES | 822-16-2 | Singapore PELs | TWA(8 hours):10 mg/m3 | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
Singapore PELs : Singapore. Workplace Safety and Health (Permissible Exposure Levels of Toxic Substances) Order
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**
Not applicable.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**
None required.

**Skin/hand protection**
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the

results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.
Gloves made from the following material(s) are recommended: Butyl rubber.
Nitrile rubber.
Natural rubber.

**Respiratory protection**
None required.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Solid. |
| **Specific Physical Form:** | Paste |
| **Color** | White |
| **Odor** | Slight Fatty Acid |
| **Odour threshold** | *No data available.* |
| **pH** | ± 10.3 |
| **Melting point/Freezing point** | ± 60 ºC |
| **Boiling point/Initial boiling point/Boiling range** | 52 - 100 ºC |
| **Flash point** | No flash point |
| **Evaporation rate** | *Not applicable.* |
| **Flammability** | Not applicable. |
| **Flammable Limits(LEL)** | *Not applicable.* |
| **Flammable Limits(UEL)** | *Not applicable.* |
| **Vapour pressure** | *Not applicable.* |
| **Vapor Density and/or Relative Vapor Density** | *Not applicable.* |
| **Density** | 0.95 - 1 g/cm3 |
| **Relative density** | 0.95 - 1 [*Ref Std:*WATER=1] |
| **Water solubility** | Appreciable |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Autoignition temperature** | *Not applicable.* |
| **Decomposition temperature** | *No data available.* |
| **Kinematic Viscosity** | 2,051,282 mm²/sec |
| **Percent volatile** | 60 - 65 % weight |
| **Molecular weight** | *No data available.* |

| | |
|---|---|
| **Particle Characteristics** | *Not applicable.* |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**
This material is considered to be non reactive under normal use conditions

**10.2 Chemical stability**
Stable.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation will not occur.

**10.4 Conditions to avoid**
None known.

**10.5 Incompatible materials**
None known.

**10.6 Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.**

**11.1 Information on Toxicological effects**

**Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation**
No known health effects.

**Skin contact**
Contact with the skin during product use is not expected to result in significant irritation.

**Eye contact**
Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion**
May cause additional health effects (see below).

**Additional Health Effects:**

**Reproductive/Developmental Toxicity:**
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Toxicological Data**
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Sucrose | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Sucrose | Ingestion | Rat | LD50 29,700 mg/kg |
| N-Vinylpyrrolidinone polymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |

| | | | |
|---|---|---|---|
| N-Vinylpyrrolidinone polymer | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.2 mg/l |
| N-Vinylpyrrolidinone polymer | Ingestion | Rat | LD50 100,000 mg/kg |
| Sodium stearate | Dermal | similar compounds | LD50 > 2,000 mg/kg |
| Sodium stearate | Ingestion | similar compounds | LD50 > 2,000 mg/kg |
| Glycerol | Dermal | Rabbit | LD50 estimated to be > 5,000 mg/kg |
| Glycerol | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Amino-2-methylpropanol | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Amino-2-methylpropanol | Ingestion | Rat | LD50 2,900 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Overall product | In vitro data | No significant irritation |
| N-Vinylpyrrolidinone polymer | Rabbit | No significant irritation |
| Sodium stearate | similar compounds | No significant irritation |
| Glycerol | Rabbit | No significant irritation |
| Amino-2-methylpropanol | Rabbit | Irritant |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Overall product | In vitro data | No significant irritation |
| Sodium stearate | similar compounds | No significant irritation |
| Glycerol | Rabbit | No significant irritation |
| Amino-2-methylpropanol | Rabbit | Corrosive |

**Sensitization:**

**Skin Sensitisation**

| Name | Species | Value |
|---|---|---|
| N-Vinylpyrrolidinone polymer | Human | Not classified |
| Sodium stearate | similar compounds | Not classified |
| Glycerol | Guinea pig | Not classified |
| Amino-2-methylpropanol | Guinea pig | Not classified |

**Respiratory Sensitisation**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

| Name | Route | Value |
|---|---|---|
| N-Vinylpyrrolidinone polymer | In Vitro | Not mutagenic |
| Sodium stearate | In Vitro | Not mutagenic |
| Amino-2-methylpropanol | In Vitro | Not mutagenic |

| | | |
|---|---|---|
| Amino-2-methylpropanol | In vivo | Not mutagenic |

### Carcinogenicity

| Name | Route | Species | Value |
|---|---|---|---|
| N-Vinylpyrrolidinone polymer | Ingestion | Rat | Not carcinogenic |
| Glycerol | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |

### Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| N-Vinylpyrrolidinone polymer | Ingestion | Not classified for development | Rat | NOAEL 5,000 mg/kg/day | during gestation |
| Glycerol | Ingestion | Not classified for female reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerol | Ingestion | Not classified for male reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerol | Ingestion | Not classified for development | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Amino-2-methylpropanol | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| Amino-2-methylpropanol | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 37 days |
| Amino-2-methylpropanol | Dermal | Not classified for development | Rat | NOAEL 300 mg/kg/day | during gestation |
| Amino-2-methylpropanol | Ingestion | Toxic to development | Rat | NOAEL 100 mg/kg/day | premating into lactation |

### Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Amino-2-methylpropanol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Mouse | NOAEL Not available | |

### Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Glycerol | Inhalation | respiratory system \| heart \| liver \| kidney and/or bladder | Not classified | Rat | NOAEL 3.91 mg/l | 14 days |
| Glycerol | Ingestion | endocrine system \| hematopoietic system \| liver \| kidney and/or bladder | Not classified | Rat | NOAEL 10,000 mg/kg/day | 2 years |
| Amino-2-methylpropanol | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 23 mg/kg/day | 90 days |
| Amino-2-methylpropanol | Ingestion | blood \| eyes \| kidney and/or bladder | Not classified | Dog | NOAEL 2.8 mg/kg/day | 1 years |

### Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

## SECTION 12: Ecological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.**

**12.1. Toxicity**

**Acute aquatic hazard:**
Not acutely toxic to aquatic life by GHS criteria.

**Chronic aquatic hazard:**
Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

| Material | CAS Nbr | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| Sucrose | 57-50-1 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Acrylic copolymer | Trade Secret | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| N-Vinylpyrrolidinone polymer | 9003-39-8 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Sodium stearate | 822-16-2 | Green algae | Experimental | 72 hours | EC50 | 150 mg/l |
| Sodium stearate | 822-16-2 | Medaka | Experimental | 96 hours | LC50 | >100 mg/l |
| Sodium stearate | 822-16-2 | Water flea | Experimental | 48 hours | EC50 | 19 mg/l |
| Sodium stearate | 822-16-2 | Green algae | Experimental | 72 hours | NOEC | 31 mg/l |
| Sodium stearate | 822-16-2 | Water flea | Experimental | 21 days | NOEC | 0.48 mg/l |
| Glycerol | 56-81-5 | Bacteria | Experimental | 16 hours | NOEC | 10,000 mg/l |
| Glycerol | 56-81-5 | Rainbow trout | Experimental | 96 hours | LC50 | 54,000 mg/l |
| Glycerol | 56-81-5 | Water flea | Experimental | 48 hours | LC50 | 1,955 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Bluegill | Experimental | 96 hours | LC50 | 180 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Common shrimp | Experimental | 96 hours | LC50 | 170 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Diatom | Experimental | 72 hours | ErC50 | >103 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Fish | Experimental | 96 hours | LC50 | 175 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Green algae | Experimental | 72 hours | ErC50 | >103 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Water flea | Experimental | 24 hours | EC50 | 59 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Diatom | Experimental | 72 hours | ErC10 | >103 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Green algae | Experimental | 72 hours | ErC10 | 68.8 mg/l |
| Amino-2-methylpropanol | 124-68-5 | Activated sludge | Experimental | 3 hours | EC50 | 342.9 mg/l |

**12.2. Persistence and degradability**

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Sucrose | 57-50-1 | Data not available-insufficient | N/A | N/A | N/A | N/A |
| Acrylic copolymer | Trade Secret | Data not available-insufficient | N/A | N/A | N/A | N/A |
| N-Vinylpyrrolidinone polymer | 9003-39-8 | Data not available-insufficient | N/A | N/A | N/A | N/A |
| Sodium stearate | 822-16-2 | Experimental Biodegradation | 28 days | BOD | 83 %BOD/ThOD | OECD 301C - MITI test (I) |
| Glycerol | 56-81-5 | Experimental Biodegradation | 14 days | BOD | 63 %BOD/ThOD | OECD 301C - MITI test (I) |
| Amino-2-methylpropanol | 124-68-5 | Experimental Biodegradation | 28 days | BOD | 89.3 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Amino-2-methylpropanol | 124-68-5 | Experimental Photolysis | | Photolytic half-life (in air) | 1.1 days (t 1/2) | |
| Amino-2-methylpropanol | 124-68-5 | Experimental Soil Metabolism Aerobic | 30 days | CO2 evolution | 50 %CO2 evolution/THCO2 evolution | |

**12.3 : Bioaccumulative potential**

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Sucrose | 57-50-1 | Experimental Bioconcentration | | Log Kow | -3.70 | |
| Acrylic copolymer | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| N-Vinylpyrrolidinone polymer | 9003-39-8 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Sodium stearate | 822-16-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Glycerol | 56-81-5 | Experimental Bioconcentration | | Log Kow | -1.76 | |
| Amino-2-methylpropanol | 124-68-5 | Experimental Bioconcentration | | Log Kow | -0.63 | OECD 107 log Kow shke flsk mtd |

**12.4. Mobility in soil**
Please contact manufacturer for more details

**12.5 Other adverse effects**
No information available.

## SECTION 13: Disposal considerations

**13.1. Disposal methods**
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

## SECTION 14: Transport Information

**International Regulations**

**UN No.:** None assigned
**UN Proper shipping name:** None assigned

**Transportation Class (IMO):** None assigned
**Transportation Class (IATA):** None assigned
**Other Dangerous Goods Descriptions (IMO):** None assigned
**Other Dangerous Goods Descriptions (IATA):** None assigned
**Packing Group:** None assigned
**Marine pollutant:** None assigned

## SECTION 15: Regulatory information

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

**Global inventory status**
Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

**This product may contain component(s) that are regulated by the following:**
Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations: this product is subject to SDS, labelling, PEL and other requirements in the Act/Regulations.
Environmental Protection and Management (Hazardous Substances) Regulations: This product is subject to the requirements in the Regulations

## SECTION 16: Other information

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

**3M Singapore SDSs are available at www.3m.com.sg**