



# POLYONE CORPORATION

## MATERIAL SAFETY DATA SHEET

### STAN-TONE MB-29752 YELLOW

Version Number 1.1  
Revision Date 06/17/2005

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#### 1. PRODUCT AND COMPANY IDENTIFICATION

**POLYONE CORPORATION**  
8155 Cobb Center Drive, Kennesaw, GA 30152

Telephone : Product Stewardship (770) 590-3500 x.3563  
Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).  
Product name : STAN-TONE MB-29752 YELLOW  
Product code : FO20010349  
Chemical Name : Mixture  
CAS-No. : Mixture  
Product Use : Industrial Applications

#### 2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

| Components   | CAS-No. | Weight % |
|--------------|---------|----------|
| Formaldehyde | 50-00-0 | 0.1 - 1  |
| Stearic acid | 57-11-4 | 1 - 5    |

#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure.

##### POTENTIAL HEALTH EFFECTS

**Routes of Exposure:** : Inhalation, Ingestion, Skin contact

##### Acute exposure

Inhalation : Resin particles, like other inert materials, can be mechanically irritating.  
Ingestion : May be harmful if swallowed.  
Eyes : Resin particles, like other inert materials, are mechanically irritating to eyes.  
Skin : Experience shows no unusual dermatitis hazard from routine handling.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

**Medical Conditions** : None known.

**Aggravated by Exposure:**

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**4. FIRST AID MEASURES**

- Inhalation : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt seek medical advice.
- Ingestion : Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt seek medical advice.
- Eyes : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.
- Skin : Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

**5. FIRE-FIGHTING MEASURES**

- Flash point : Not applicable
- Flammable Limits
  - Upper explosion limit : Not applicable
  - Lower explosion limit : Not applicable
- Autoignition temperature : Not relevant
- Suitable extinguishing media : water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>).
- Special Fire Fighting Procedures : Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.
- Unusual Fire/Explosion Hazards : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
- Environmental precautions : Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.
- Methods for cleaning up : Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

**7. HANDLING AND STORAGE**

- Handling : Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.
- Storage : Keep containers dry and tightly closed to avoid moisture absorption

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and contamination. Keep in a dry, cool place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Respiratory protection : No personal respiratory protective equipment normally required when handling the product itself. See "Engineering Measures" section below for precautions to be taken when heating or processing this material.
- Eye/Face Protection : Safety glasses with side-shields.
- Hand protection : Protective gloves.
- Skin and body protection : Long sleeved clothing.
- Additional Protective Measures : Safety shoes.
- General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Engineering measures : Heat only in areas with appropriate exhaust ventilation. Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure limit(s)

| Components   | Value    | Exposure time                     | Exposure type            | List: |
|--------------|----------|-----------------------------------|--------------------------|-------|
| Stearic acid | 10 mg/m3 | Time Weighted Average (TWA):      | Total dust. as stearates | ACGIH |
| Formaldehyde | 0.3 ppm  | Ceiling Limit Value:              |                          | ACGIH |
|              | 0.75 ppm | Time Weighted Average (TWA):      |                          | OSHA  |
|              | 2 ppm    | Short Term Exposure Limit (STEL): |                          | OSHA  |
|              | 0.5 ppm  | OSHA Action level:                |                          | OSHA  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Solid
- Appearance : Pellets, Slabs, sheets
- Color : YELLOW
- Odor : Characteristic rubber odor
- Melting point/range : Not determined
- Boiling Point: : Not applicable
- Water solubility : Insoluble
- Evaporation rate : Not applicable
- Specific Gravity: : Not determined
- Bulk density : Not established
- Vapor pressure : Not applicable
- Vapour density : Not applicable
- pH : Not applicable

**10. STABILITY AND REACTIVITY**

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- Stability : Stable.
- Hazardous Polymerization : Will not occur.
- Conditions to avoid : Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.
- Incompatible Materials : Incompatible with strong acids and oxidizing agents.
- Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

**11. TOXICOLOGICAL INFORMATION**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview

This product contains the following components which in their pure form have the following characteristics:

| CAS-No. | Chemical Name | Effect           | Target Organ                                      |
|---------|---------------|------------------|---|
| 50-00-0 | Formaldehyde  | Highly Toxic     | Refer to LC50 / LD50 Data on MSDS..               |
|         |               | Corrosive        | Eyes, Skin.                                       |
|         |               | sensitizer       | Skin, Respiratory system.                         |
|         |               | Systemic effects | Eyes, Kidney, Liver, heart or circulatory system. |
| 57-11-4 | Stearic acid  | Irritant         | Eyes, Skin.                                       |

LC50 / LD50

This product contains the following components which, in their pure form, have the following toxicity data:

| CAS-No. | Chemical Name | Route       | Value                 | Species |
|---------|---------------|-------------|-----------------------|---------|
| 50-00-0 | Formaldehyde  | LC50        | 203 mg/m <sup>3</sup> | rat     |
|         |               | Oral LD50   | 42 mg/kg              | mouse   |
|         |               | Dermal LD50 | 270 ul/kg             | rabbit  |
| 57-11-4 | Stearic acid  | Dermal LD50 | > 5 gm/kg             | rabbit  |

Carcinogenicity

This product contains the following components which, in their pure form, have the following carcinogenicity data:

| CAS-No. | Chemical Name | OSHA | IARC | NTP |
|---------|---------------|------|------|-----|
| 50-00-0 | Formaldehyde  | yes  | 2A   | no  |

IARC Carcinogen Classifications:

- 1 - The component is carcinogenic to humans.
- 2A - The component is probably carcinogenic to humans.
- 2B - The component is possibly carcinogenic to humans.

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NTP Carcinogen Classifications:

- 1 - The component is known to be a human carcinogen.
- 2 - The component is reasonably anticipated to be a human carcinogen.

**Additional Health Hazard Information:**

**Formaldehyde 50-00-0** Formaldehyde is extremely irritating to the eyes and respiratory tract. Symptoms include burning of the nose and throat, tearing, cough, chest tightness, and difficulty in breathing. Repeated skin contact with Formaldehyde can cause numbness and an allergic response. Symptoms include dryness, redness, swelling, severe burning, itching and blisters. Formaldehyde is listed as a substance that reasonably be anticipated to be carcinogenic to humans by the National Toxicology Program (NTP). It is classified as carcinogenic to humans by the International Agency for Research in cancer (IARC Monographs, Vol. 29) and is regulated by OSHA as a carcinogen (29 CFR 1910.1048).

**12. ECOLOGICAL INFORMATION**

- Persistence and degradability : Not readily biodegradable.
- Environmental Toxicity : Chemicals are not readily available as they are bound within the polymer matrix.
- Bioaccumulation Potential : Chemicals are not readily available as they are bound within the polymer matrix.
- Additional advice : Not applicable

**13. DISPOSAL CONSIDERATIONS**

- Product : Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
- Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

**14. TRANSPORT INFORMATION**

- U.S. DOT Classification : Not regulated for transportation.
- ICAO/IATA (air) : Not regulated for transportation.
- IMO / IMDG (maritime) : Not regulated for transportation.

**15. REGULATORY INFORMATION**

US Regulations:

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OSHA Status : Classified as hazardous based on components.

TSCA Status : All components of this product are listed on or exempt from the TSCA Inventory.

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65 : WARNING! This product contains a chemical known to the State of California to cause cancer.

SARA Title III Section 302 Extremely Hazardous Substance

| Chemical Name | CAS-No. | % in Product | RQ for component |
|---------------|---------|--------------|------------------|
| Formaldehyde  | 50-00-0 | 0.10 - 1.00  | 100 lbs          |

SARA Title III Section 313 Toxic Chemicals:

| Chemical Name | CAS-No. | Weight %    |
|---------------|---------|-------------|
| FORMALDEHYDE  | 50-00-0 | 0.10 - 1.00 |

Canadian Regulations:

National Pollutant Release Inventory (NPRI)

| Chemical Name | CAS-No. | Weight %    | NPRI ID# |
|---------------|---------|-------------|----------|
| Formaldehyde  | 50-00-0 | 0.10 - 1.00 | 118      |

WHMIS Classification : D1A

WHMIS Ingredient Disclosure List

|         |
|---------|
| CAS-No. |
| 57-11-4 |
| 50-00-0 |

DSL : DSL status has not been determined. Quantity use in Canada may be restricted by regulations.

National Inventories:

Australia AICS : Not determined



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|                   |   |                |
|-------------------|---|----------------|
| China IECS        | : | Not determined |
| Europe EINECS     | : | Not determined |
| Japan ENCS        | : | Not determined |
| Korea KECI        | : | Not determined |
| Philippines PICCS | : | Not determined |

#### **16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material when used in combination with any other materials and/or in any particular process or processing conditions.