

**MASTERMIX ACTIVATOR 5522 SLAB**

Version Number 1.0

Revision Date 11/26/2002

Page 1 of 6  
Print Date 12/3/2002

**1. PRODUCT AND COMPANY IDENTIFICATION**

**POLYONE CORPORATION**  
14330 Kinsman Road, Burton, OH 44021

NON-EMERGENCY TELEPHONE : Product Stewardship (440)-834-4644  
**Emergency telephone number** : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : MASTERMIX ACTIVATOR 5522 SLAB  
 Product code : AD3000033160  
 Chemical Name : Mixture  
 CAS-No. : Mixture  
 Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

Components	CAS-No.	Weight %
Magnesium oxide	1309-48-4	10 - 30
Calcium hydroxide	1305-62-0	30 - 60

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Magnesium Oxide will react with water generating heat. If contact with water is unavoidable, use sufficient water to dissipate any excessive heat buildup. Exposed, unprotected magnesium oxide will absorb moisture and carbon dioxide from the air. This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. In addition, heating or processing this material may result in product degradation or byproduct formation creating additional hazards. See Sections 8 and 11 for additional details.

**POTENTIAL HEALTH EFFECTS**

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

**Acute exposure**

Inhalation : Irritating to respiratory system.  
 Ingestion : May be harmful if swallowed.  
 Eyes : Particulates, like other inert materials can be mechanically irritating.  
 Skin : Experience shows no unusual dermatitis hazard from routine handling.

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

MARKETED BY  
**HARWICK STANDARD**  
 DISTRIBUTION CORPORATION  
 80 S. Selberling Street • Akron, Ohio 44305

## MATERIAL SAFETY DATA SHEET

**MASTERMIX ACTIVATOR 5522 SLAB**

Version Number 1.0

Revision Date 11/26/2002

Page 2 of 6

Print Date 12/3/2002

**Medical Conditions** : None known.  
**Aggravated by Exposure:**

**4. FIRST AID MEASURES**

**Inhalation** : Move to fresh air. When symptoms persist or in all cases of doubt seek medical advice.

**Ingestion** : Do not induce vomiting without medical advice. Seek medical attention if necessary.

**Eyes** : Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.

**Skin** : Wash off with soap and plenty of water.

**5. FIRE-FIGHTING MEASURES**

**Flash point** : Not applicable

**Flammable Limits**

Upper explosion limit : Not applicable

Lower explosion limit : Not applicable

**Autoignition temperature** : No data available.

**Suitable extinguishing media** : Carbon dioxide blanket, dry chemical, foam.

**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** : Magnesium Oxide will react with water generating heat. If contact with water is unavoidable, use sufficient water to dissipate any excessive heat buildup.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** : Avoid breathing dust. Avoid dust formation. Ensure adequate ventilation. 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. Do not create a powder cloud by using a brush or compressed air. Shovel into suitable container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

**7. HANDLING AND STORAGE**

**Handling** : Provide for appropriate exhaust ventilation and dust collection at

MATERIAL SAFETY DATA SHEET

**MASTERMIX ACTIVATOR 5522 SLAB**

Version Number 1.0

Revision Date 11/26/2002

Page 3 of 6

Print Date 12/3/2002

machinery. Avoid dust formation.

Storage : Store in a cool dry place. Do not allow water to get inside containers; reaction with water will cause product to swell, generate heat and possibly burst containers. Exposed, unprotected magnesium oxide will absorb moisture and carbon dioxide from the air.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Employees using respirators must be properly trained. Employers must follow applicable regulations such as OSHA 29 CFR 1910.134.
- 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 immediately after handling the product.
- Engineering measures : 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:
Calcium hydroxide	5 mg/m3	Time Weighted Average (TWA):	Dust.	ACGIH
Calcium hydroxide	5 mg/m3	PEL:	Respirable fraction.	OSHA Z1
	15 mg/m3	PEL:	Total dust.	OSHA Z1
Magnesium oxide	15 mg/m3	PEL:	Total particulate.	OSHA Z1

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Solid
- Appearance : powder, Crumb, Pellets
- Color : NO PIGMENT
- Odor : Very faint
- Melting point/range : Not applicable
- Boiling Point: : Not applicable.
- Water solubility : Negligible
- Evaporation rate : Not applicable.
- Specific Gravity : Not determined
- Bulk density : Not determined
- Vapor pressure : Not applicable.
- Vapor density : Not applicable
- pH : Not applicable

## MATERIAL SAFETY DATA SHEET

**MASTERMIX ACTIVATOR 5522 SLAB**

Version Number 1.0

Revision Date 11/26/2002

Page 4 of 6

Print Date 12/3/2002

**10. STABILITY AND REACTIVITY**

- Stability : Stable.
- Hazardous Polymerization : Will not occur.
- Conditions to avoid : Magnesium Oxide will react with water generating heat. If contact with water is unavoidable, use sufficient water to dissipate any excessive heat buildup. Exposed, unprotected magnesium oxide will absorb moisture and carbon dioxide from the air.
- Incompatible Materials : strong acids and oxidizing agents Magnesium oxide reacts with water and aqueous acids generating heat and steam. Violent reaction or ignition with interhalogens (e.g., bromine pentafluoride; chlorine trifluoride. Incandescent reaction with phosphorus pentachloride.
- 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
1309-48-4	Magnesium oxide	Systemic effects	Eyes, Respiratory system.
		Irritant	Eyes, Skin, Respiratory system.
1305-62-0	Calcium hydroxide	Irritant	Eyes, Skin, Respiratory system.
		Systemic effects	Eyes, Skin, Respiratory system.

**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
1309-48-4	Magnesium oxide	Oral LD50	810 mg/kg	mouse
1305-62-0	Calcium hydroxide	Oral LD50	7,340 mg/kg	rat

**12. ECOLOGICAL INFORMATION**

- Persistence and degradability : No data available.
- Environmental Toxicity : No data available.

## MATERIAL SAFETY DATA SHEET

**MASTERMIX ACTIVATOR 5522 SLAB**

Version Number 1.0

Revision Date 11/26/2002

Page 5 of 6

Print Date 12/3/2002

Bioaccumulation Potential : No data available.

Additional advice : No data available.

**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 : Not regulated for transportation.

IMO / IMDG : Not regulated for transportation.

**15. REGULATORY INFORMATION**

## US Regulations:

OSHA Status : Classified as hazardous based on components.

TSCA Status : On TSCA List

## US. EPA CERCLA Hazardous Substances (40 CFR 302)

Not applicable

California Proposition 65 : This product does not contain a substance listed by California Prop 65.

## Canadian Regulations:

WHMIS Classification : Not controlled.

DSL : Listed.

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*PolyOne*

MATERIAL SAFETY DATA SHEET

**MASTERMIX ACTIVATOR 5522 SLAB**

Version Number 1.0

Revision Date 11/26/2002

Page 6 of 6

Print Date 12/3/2002

National Inventories:

Australia AICS	:	Listed.
China IECS	:	Listed.
Europe EINECS	:	Not determined.
Japan ENCS	:	Listed.
Korea KECI	:	Listed.
Philippines PICCS	:	Listed.

**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 used in combination with any other materials or in any process, unless specified in the text.