



**MATERIAL SAFETY DATA MATERIAL SAFETY
DATA SHEET**

STAN-TONE MB-29841 WHITE

Version Number 1.0
Revision Date 01/23/2009

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1. PRODUCT AND COMPANY IDENTIFICATION

Business Group name
EXCEL CORPORATION EXCEL POLYMERS LLC

14330 Kinsman Road, Burton, OH 44021

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

Product name : STAN-TONE MB-29841 WHITE
Product code : AD3000253660
Chemical Name : Mixture
CAS-No. : Mixture
Product Use : Industrial Applications

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

Components	CAS-No.	Weight %
Silica, amorphous	7631-86-9	1 - 5
Zirconium oxide	1314-23-4	1 - 5
Titanium dioxide	13463-67-7	60 - 100

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

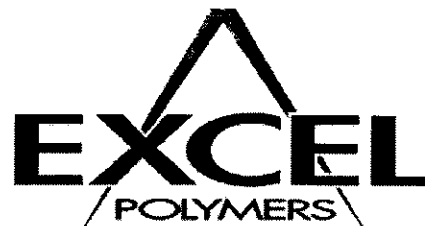
This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator)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

**POTENTIAL HEALTH EFFECTS:
POTENTIAL HEALTH EFFECTS**

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

Acute Effects of Exposure:
Acute exposure

Inhalation : Particulates, like other inert materials can be mechanically irritating.



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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 Effects of Exposure: : Refer to Section 11 for Toxicological Information.
Chronic exposure

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

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
Flammable Limits
Upper explosion limit : Not applicable
Lower explosion limit : Not applicable
Autoignition temperature : Not applicable
Suitable extinguishing media : Water spray, Dry powder, Foam, Carbon dioxide (CO2).
Special Fire Fighting : Fullface self-contained breathing apparatus (SCBA) used in positive



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Procedures : pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), 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 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



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ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure Limits
Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Silica, amorphous	0.8 mg/m3	Time Weighted Average (TWA):		Z3
	10 mg/m3	Time Weighted Average (TWA):	Inhalable particulate.	MX OEL
	3 mg/m3	Time Weighted Average (TWA):	Respirable dust.	MX OEL
Titanium dioxide	10 mg/m3	Time Weighted Average (TWA):		ACGIH
	15 mg/m3	PEL:	Total dust.	OSHA Z1
	10 mg/m3	Time Weighted Average (TWA):	as Ti	MX OEL
	20 mg/m3	Short Term Exposure Limit (STEL):	as Ti	MX OEL
Zirconium oxide	5 mg/m3	Time Weighted Average (TWA):	as Zr	ACGIH
	10 mg/m3	Short Term Exposure Limit (STEL):	as Zr	ACGIH
	5 mg/m3	PEL:	as Zr	OSHA Z1
	5 mg/m3	Time Weighted Average (TWA):	as Zr	MX OEL
	10 mg/m3	Short Term Exposure Limit (STEL):	as Zr	MX OEL

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid	Evaporation Rate	: Not applicable
Appearance	: pellets, Slabs, sheets	Evaporation rate	: Not determined
		Specific Gravity	: Not determined
Color	: WHITE	Bulk Density Bulk density	: Not established
Odor	: Characteristic rubber odor	Vapor Pressure	: Not applicable
Melting Point/range Melting point/range	: Not determined	Vapour pressure	: Not applicable
		Vapor Density	: Not applicable
Boiling Point Boiling Point:	: Not applicable	Vapour density	: Not applicable
Solubility in Water Water	: Insoluble	pH pH	: Not applicable



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solubility

10. STABILITY AND REACTIVITY

- 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 (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), 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.

Product Group Specific Phrase

Toxic Overview:

Toxicity Overview

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

CAS-No.	Chemical Name	Effect	Target Organ
CAS No.7631-86-9	Chemical NameSilica, amorphous	Irritant	Eyes, Respiratory system.
CAS No.1314-23-4	Chemical NameZirconium oxide	Irritant	Eyes, Skin.
CAS No.13463-67-7	Chemical NameTitanium dioxide	Systemic effects	Respiratory system.

LC50/LD 50:
 LC50 / LD50

LC50/LD50 Statement

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

CAS-No.	Chemical Name	Route	Value	Species
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7631-86-9	Silica, amorphous	Oral LD50 Oral LD50	Inhalation Value-Units Oral Value- Units 15,000 mg/kg 22,500 mg/kg Dermal Value-Units	Inhalation Species Oral Species mouse rat Dermal Species
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Carcinogenicity:

Carcinogenicity

Carcinogenicity Statement

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

CAS-No.	Chemical Name	OSHA	IARC	NTP
13463-67-7	Titanium dioxide	OSHA value no	IARC value 2B	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.

NTP Carcinogen Classifications:

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

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



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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. D.O.T./CA TDG Classification (Air)
U.S. DOT Classification : Refer to specific regulation.

ICO/IATA Classification (Air)
ICAO/IATA (air) : Refer to specific regulation.

IMO/IMDG Classification (Water)
IMO / IMDG (maritime) : Refer to specific regulation.

15. REGULATORY INFORMATION

US Regulations:
US Regulations:

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 : Not applicable
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-----SECTION - SARA302-----

SARA Title III Section 302 Extremely Hazardous Substance

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

-----SECTION - SARA313-----

SARA Title III Section 313 Toxic Chemicals:

Unless specific chemicals are identified under this section, this product is Not Applicable under this regulation

Canadian Regulations:
Canadian Regulations:

-----NPRI SECTION-----

National Pollutant Release Inventory (NPRI) National Pollutant Release Inventory (NPRI)

Not applicable

WHMIS Classification : D2A

WHMIS Ingredient Disclosure List

CAS-No.
7631-86-9
1314-23-4

DSL : All components of this product are on the Canadian Domestic
Substances List (DSL) or are exempt.

National Inventories:
National Inventories:

Australia AICS : Listed



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China IECS	:	Listed
Europe EINECS	:	Listed
Japan ENCS	:	Listed
Korea KECI	:	Listed
Philippines PICCS	:	Listed

16. OTHER INFORMATION

General Disclaimer Statement:

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.