

## PEANUT BUTTER TAN

Version Number 1.0

Revision Date 05/28/2002

Page 1 of 7

Print Date 11/4/2011

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### POLYONE CORPORATION

33587 Walker Road, Avon Lake, OH 44012

NON-EMERGENCY TELEPHONE : Product Stewardship (770) 271-5902

Emergency telephone number : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Product name : PEANUT BUTTER TAN  
 Product code : CC10016550  
 Chemical Name : Mixture  
 CAS-No. : Mixture  
 Product Use : Industrial Applications

### 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Carbon black	1333-86-4	0.1 - 1
Titanium dioxide	13463-67-7	1 - 5
Rutile, antimony chromium buff	68186-90-3	30 - 60

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

This mixture has not been evaluated as a whole. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating or crosslinking 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 : 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.

Medical Conditions : None known.

Aggravated by Exposure:

## PEANUT BUTTER TAN

Version Number 1.0

Revision Date 05/28/2002

Page 2 of 7

Print Date 11/4/2011

### 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 : Carbon dioxide blanket, Water spray, dry powder, 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 : none

### 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 scoop 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

## MATERIAL SAFETY DATA SHEET

**PEANUT BUTTER TAN**

Version Number 1.0  
Revision Date 05/28/2002

Page 3 of 7  
Print Date 11/4/2011

and contamination. Keep in a dry, cool place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Respiratory protection : No personal respiratory protective equipment normally required. If dusty conditions occur wear appropriate respiratory protection.
- Eye/Face Protection : safety glasses
- Hand protection : Protective gloves.
- Skin and body protection : Long sleeved clothing.
- Additional Protective Measures : Safety shoes.
- General Hygiene Considerations : Wash hands and face before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice for diagnostics.
- Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.

Exposure limit(s)

Components	Value	Exposure time	Exposure type	List:
Carbon black	3.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Total dust. as carbon black	ACGIH
Carbon black	3.5 mg/m <sup>3</sup>	PEL:	Total dust. as carbon black	OSHA Z1
Rutile, antimony chromium buff	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):		MX OEL
	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Total dust. as Cr	ACGIH
Rutile, antimony chromium buff	0.5 mg/m <sup>3</sup>	PEL:	Total dust. as Cr	OSHA Z1
Rutile, antimony chromium buff	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):		MX OEL
	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Dust. as Sb	ACGIH
Rutile, antimony chromium buff	0.5 mg/m <sup>3</sup>	PEL:	Total dust. as Sb	OSHA Z1
Rutile, antimony chromium buff	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	as Sb	MX OEL
Titanium dioxide	10 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Total dust.	ACGIH
Titanium dioxide	15 mg/m <sup>3</sup>	PEL:	Total dust.	OSHA Z1

**9. PHYSICAL AND CHEMICAL PROPERTIES**

## MATERIAL SAFETY DATA SHEET

**PEANUT BUTTER TAN**

Version Number 1.0

Page 4 of 7

Revision Date 05/28/2002

Print Date 11/4/2011

Form	: Solid	Evaporation rate	: Not applicable.
Appearance	: flakes	Specific Gravity	: Not determined
Color	: BROWN	Bulk density	: Not determined
Odor	: Very faint	Vapor pressure	: Not determined
Melting point/range	: Greater than 130 °C	Vapor density	: Not determined
Boiling Point:	: Not applicable	pH	: Not applicable
Water solubility	: Insoluble		

**10. STABILITY AND REACTIVITY**

Stability	: Stable.
Hazardous Polymerization	: Will not occur.
Conditions to avoid	: 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> ), dense black smoke.

**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
1333-86-4	Carbon black	Systemic effects	Eyes, Respiratory system.
13463-67-7	Titanium dioxide	Systemic effects	Respiratory system.
68186-90-3	Rutile, antimony chromium buff	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
1333-86-4	Carbon black	Oral LD50	> 15,400 mg/kg	rat
		Dermal LD50	> 3 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
1333-86-4	Carbon black	no	2B	no

## MATERIAL SAFETY DATA SHEET

## PEANUT BUTTER TAN

Version Number 1.0

Page 5 of 7

Revision Date 05/28/2002

Print Date 11/4/2011

68186-90-3	Rutile, antimony chromium buff	no	3	no
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**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.

**Additional Health Hazard Information:**

**Carbon black 1333-86-4 Carcinogenicity:** Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. However, the IARC evaluation in Monograph Volume 65, issued in April 1996 concluded that, "There is sufficient evidence in experimental animals for the carcinogenicity of carbon black". Based on this evaluation, along with their evaluation of inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that "Carbon Black is possibly carcinogenic to humans (Group 2B). Carbon Black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety and Health (NIOSH) criteria document on carbon black recommends that only carbon black with PAH (polynuclear aromatic hydrocarbon) levels greater than 0.1% be considered suspect carcinogens.

**Additional Health Hazard Information:**

**Rutile, antimony chromium buff 68186-90-3** Can cause eye irritation. Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage. Additional symptoms of skin contact may include: antimony measles (a red, pimply rash).

### 12. ECOLOGICAL INFORMATION

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

### 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

## MATERIAL SAFETY DATA SHEET

## PEANUT BUTTER TAN

Version Number 1.0  
Revision Date 05/28/2002

Page 6 of 7  
Print Date 11/4/2011

and local regulations.

### 14. TRANSPORT INFORMATION

U.S. D.O.T. / CA T.D.G. Classification (Non-bulk ground) : 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 : All components of this product are listed on the TSCA inventory or are exempt.

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

#### SARA Title III Section 313 Toxic Chemicals:

Chemical Name	CAS-No.	Weight %
CHROMIUM III COMPOUNDS	68186-90-3	59.52
ANTIMONY COMPOUNDS		

#### Canadian Regulations:

WHMIS Classification : D2B

#### WHMIS Ingredient Disclosure List

CAS-No.
1333-86-4
68186-90-3
7631-86-9

DSL : Listed.

#### National Inventories:

Australia AICS : Not determined.

China IECS : Not determined.

Europe EINECS : Not determined.

## MATERIAL SAFETY DATA SHEET

**PEANUT BUTTER TAN**

Version Number 1.0

Revision Date 05/28/2002

Page 7 of 7

Print Date 11/4/2011

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