

## MATERIAL SAFETY DATA SHEET

## STAN-TONE HCC-14718 BROWN

Version Number 1.0  
Revision Date 10/15/2002

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**POLYONE CORPORATION**  
2700 Papin Street, St. Louis, MO 63103

NON-EMERGENCY TELEPHONE : Product Stewardship, (314) 771-1800  
**Emergency telephone number** : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : STAN-TONE HCC-14718 BROWN  
 Product code : FO00004801  
 Chemical Name : Mixture  
 CAS-No. : Mixture  
 Product Use : Industrial Applications

### 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Components	CAS-No.	Weight %
Ethyl benzene	100-41-4	0.1 - 1
Chromium	7440-47-3	1 - 5
Iron oxide	1309-37-1	1 - 5
C.I. Pigment Yellow 53	8007-18-9	10 - 30
Titanium dioxide	13463-67-7	30 - 60

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

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. However, some vapors or contaminants 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. See sections 8 and 11 for special precautions.

#### POTENTIAL HEALTH EFFECTS

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

#### Acute exposure

Inhalation : Inhalation of airborne droplets may cause irritation of the respiratory tract.  
 Ingestion : May be harmful if swallowed.  
 Eyes : May cause eye/skin irritation.  
 Skin : Experience shows no unusual dermatitis hazard from routine handling.

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

**Medical Conditions** : None known.

**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. 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. If skin irritation persists seek medical attention.

**5. FIRE-FIGHTING MEASURES**

- Flash point** : No data available.
- Flammable Limits**
- Upper explosion limit : No data available.
  - Lower explosion limit : No data available.
- Autoignition temperature** : Not applicable.
- Suitable extinguishing media** : Carbon dioxide blanket, dry powder, foam, Water spray.
- 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** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

**7. HANDLING AND STORAGE**

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Handling : Heat only in areas with appropriate exhaust ventilation. Prolonged heating may result in product degradation.

Storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory protection : Under normal handling conditions a respirator may not be required.

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. Provide appropriate exhaust ventilation at machinery.

Exposure limit(s)

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Components	Value	Exposure time	Exposure type	List:
C.I. Pigment Yellow 53	1 mg/m <sup>3</sup>	PEL:	as Ni	OSHA Z1
C.I. Pigment Yellow 53	0.5 mg/m <sup>3</sup>	PEL:	as Sb	OSHA Z1
C.I. Pigment Yellow 53	0.2 mg/m <sup>3</sup>	Time Weighted Average (TWA):	as Ni	ACGIH
C.I. Pigment Yellow 53	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	as Sb	ACGIH
Chromium	0.5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	as Cr	ACGIH
Chromium	1 mg/m <sup>3</sup>	PEL:		OSHA Z1
Ethyl benzene	100 ppm 434 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Vapor and aerosol.	ACGIH
	125 ppm 543 mg/m <sup>3</sup>	Short Term Exposure Limit (STEL):	Vapor and aerosol.	ACGIH
Ethyl benzene	100 ppm 435 mg/m <sup>3</sup>	PEL:	Vapor and aerosol.	OSHA Z1
Iron oxide	5 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Dust and fume. as Fe	ACGIH
Titanium dioxide	10 mg/m <sup>3</sup>	Time Weighted Average (TWA):	Dust.	ACGIH
Titanium dioxide	15 mg/m <sup>3</sup>	PEL:	Total dust.	OSHA Z1

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: Liquid	Evaporation rate	: Not established
Appearance	: Liquid, Viscous liquid dispersion	Specific Gravity	: Not determined
Color	: BROWN	Bulk density	: Not applicable.
Odor	: Very faint	Vapor pressure	: Not determined
Melting point/range	: Not applicable	Vapor density	: Heavier than air.
Boiling Point:	: Not applicable	pH	: Not determined
Water solubility	: Immiscible		

**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 (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**

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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
100-41-4	Ethyl benzene	Irritant	Eyes, Skin, Respiratory system.
		Systemic effects	Eyes, Skin, Respiratory system, central nervous system.
7440-47-3	Chromium	Systemic effects	Eyes, Skin, Respiratory system.
1309-37-1	Iron oxide	Systemic effects	Respiratory system.
8007-18-9	C.I. Pigment Yellow 53	Irritant	Eyes, Skin.
		sensitizer	Skin.
13463-67-7	Titanium dioxide	Systemic effects	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
100-41-4	Ethyl benzene	Oral LD50 Dermal LD50	3,500 mg/kg 17800 ul/kg	rat 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
100-41-4	Ethyl benzene	no	2B	no
8007-18-9	C.I. Pigment Yellow 53	no	1	2

## 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:**

**Chromium 7440-47-3** The trivalent form has a low order of acute toxicity but may cause dermatitis, pulmonary sensitization and corrosive effect on eyes.

**Additional Health Hazard Information:**

**C.I. Pigment Yellow 53 8007-18-9** Skin sensitizer "nickel itch", with pulmonary, brain, liver, kidney and muscle effects.

## 12. ECOLOGICAL INFORMATION

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- Persistence and degradability : Not readily biodegradable.
- Environmental Toxicity : Environmental toxicity has not been established for this mixture as a whole.
- 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 : Refer to specific regulation.
- ICAO/IATA : Refer to specific regulation.
- IMO / IMDG : Refer to specific regulation.

**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.

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

Chemical Name	CAS-No.	% in Product	RQ for component	RQ for Mixture/Product
Xylenes (o-, m-, p-isomers)	1330-20-7	0.3400	100 lbs	29,412 LB

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

## SARA Title III Section 313 Toxic Chemicals:

Chemical Name	CAS-No.	Weight %
NICKEL COMPOUNDS ANTIMONY COMPOUNDS	8007-18-9	29.90
CHROMIUM	7440-47-3	01.46
ZINC COMPOUNDS	Proprietary	02.55

## Canadian Regulations:

WHMIS Classification : D2A

## WHMIS Ingredient Disclosure List

CAS-No.
8007-18-9
7440-47-3
100-41-4
1309-37-1
1330-20-7

DSL : Listed.

## National Inventories:

Australia AICS : Listed.

China IECS : Not determined.

Europe EINECS : Not determined.

Japan ENCS : Not determined.

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.

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