

## MATERIAL SAFETY DATA SHEET

## STAN-TONE HCC-7414 BLACK

Version Number 1.0  
Revision Date 04/15/2003

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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-7414 BLACK  
 Product code : FO00008599  
 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  | 10 - 30  |
| Petroleum distillates, hydrotreated light naphthenic | 64742-53-6 | 10 - 30  |
| Petroleum distillates, hydrotreated heavy naphthenic | 64742-52-5 | 60 - 100 |

### 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)

| 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 |
| Petroleum distillates, hydrotreated heavy naphthenic | 500 ppm<br>2,000 mg/m <sup>3</sup> | PEL:                         | Vapor.                      | OSHA Z1 |
| Petroleum distillates, hydrotreated light naphthenic | 500 ppm<br>2,000 mg/m <sup>3</sup> | PEL:                         | Vapor.                      | OSHA Z1 |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                     |                                     |                  |                     |
|---------------------|-------------------------------------|------------------|---------------------|
| Form                | : Liquid                            | Evaporation rate | : Not established   |
| Appearance          | : Liquid, Viscous liquid dispersion | Specific Gravity | : Not determined    |
| Color               | : BLACK                             | 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    |

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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**

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. |
| 64742-53-6 | Petroleum distillates, hydrotreated light naphthenic | Irritant         | Eyes, Skin.               |
| 64742-52-5 | Petroleum distillates, hydrotreated heavy naphthenic | 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<br>Dermal LD50 | > 15,400 mg/kg<br>> 3 gm/kg | rat<br>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  |

## IARC Carcinogen Classifications:

1 - The component is carcinogenic to humans.

2A - The component is probably carcinogenic to humans.

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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.

## 12. ECOLOGICAL INFORMATION

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.

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

## SARA Title III Section 302 Extremely Hazardous Substance

Not applicable

## SARA Title III Section 313 Toxic Chemicals:

Not applicable

## Canadian Regulations:

WHMIS Classification : D2A

## WHMIS Ingredient Disclosure List

|           |
|-----------|
| CAS-No.   |
| 1333-86-4 |

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

## National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Listed.

Japan ENCS : Not determined.

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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.