MATERIAL SAFETY DATA SHEET STAN-TONE HCC-30211 ORANGE

Version Number 1.0 Revision Date 07/12/2005

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1. PRODUCT AND COMPANY IDENTIFICATION

POLYONE CORPORATION 8155 Cobb Center Drive, Kennesaw, GA 30152

| Telephone:Emergency telephone:number:Product name:Product code: | | Product Stewardship (770) 590-3500 x.3563 CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident). |
|---|---|--|
| Product name | : | STAN-TONE HCC-30211 ORANGE |
| Product code | : | FO20011959 |
| Chemical Name | : | Mixture |
| CAS-No. | : | Mixture |
| Product Use | : | Industrial Applications |

2. COMPOSITION/INFORMATION ON REGULATED INGREDIENTS

| Components | CAS-No. | Weight % |
|------------------|------------|----------|
| Titanium dioxide | 13463-67-7 | 1 - 5 |

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. |
| Chronic exposure | : Refer to Section 11 for Toxicological Information. |
| Medical Conditions Aggravated by Exposure: | : None known. |

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| | 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 or 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 ey irritation persists, seek medical attention. |
| Skin | : Wash off with soap and plenty of water. If skin irritation persists see medical attention. |
| | 5. FIRE-FIGHTING MEASURES |
| Flash point | : No data available |
| Flammable Limits Upper explosion limit Lower explosion limit Autoignition temperature Suitable extinguishing media | No data available No data available Not applicable Carbon dioxide blanket, water spray, dry powder, foam. |
| Special Fire Fighting Procedures Unusual Fire/Explosion | Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants. Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen |
| Hazards | (NOx), 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 | : The product should not be allowed to enter drains, water courses or th soil. Should not be released into the environment. |
| 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 |
| Handling | : Heat only in areas with appropriate exhaust ventilation. Prolonged heating may result in product degradation. |

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| Storage | | Keep containers dry a and contamination. S | | | noisture | e absorption |
|------------------------------------|----------|--|-------------|---------------------------------|--------------|------------------------|
| 8. H | XPOSURE | CONTROLS / PE | RSONAL | PROTECTION | | |
| Respiratory protection | : U | Under normal handlin | ng conditio | ons a respirator m | ay not l | be required. |
| Eye/Face Protection | : 5 | Safety glasses with si | de-shields | | | |
| Hand protection | : F | Protective gloves. | | | | |
| Skin and body protection | : I | Long sleeved clothing | <u>z</u> . | | | |
| Additional Protective Measures | : 5 | Safety shoes. | | | | |
| General Hygiene Considerations | | Handle in accordance Wash hands before bi | | | | afety practice |
| Engineering measures | | Heat only in areas wi appropriate exhaust v | | | lation. | Provide |
| Exposure limit(s) | | | | | | |
| Components | Value | Exposure tin | ne | Exposure ty | pe | List: |
| Titanium dioxide | 10 mg/m3 | Time Weighted A (TWA): | Average | | | ACGIH |
| | 15 mg/m3 | PEL: | | Total dust | • | OSHA Z1 |
| | 9. PHYSI | CAL AND CHEMI | CAL PRO | PERTIES | | |
| F | 1. | • 1 | Б | | N T (| |
| Form Appearance | : liqui | id, Viscous liquid | | ration rate ic Gravity: | | established determined |
| rippeurunee | | ersion | Speen | le Gluvity. | . 1100 | determined |
| Color | : OR/ | ANGE | Bulk d | ensity | : Not | applicable |
| Odor | | : Very faint | | Vapor pressure : Not determined | | |
| Melting point/range | | : Not applicable | | r density | | vier than air. |
| Boiling Point: Water solubility | | applicable niscible | pН | | : Not | determined |
| 5 | | | | | | |
| | 10. | STABILITY AND I | REACTIV | /ITY | | |
| Stability | : 5 | Stable. | | | | |
| Stability | | Will not occur. | | | | |
| Hazardous Polymerization | n : V | will not occur. | | | | |
| · | : H | Keep away from oxid lecomposition, do no | | | e. To a | woid thermal |

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| Incompatible Materials | : Incompatible | e with strong acids and o | oxidizing agents. | | |
|---|---|--|---|--|--|
| Hazardous decomposition products | | | oxide (CO), oxides of nitrogen nd smoke are all possible. | | |
| | 11. TOXICOLO | GICAL INFORMATIO | ON | | |
| This mixture has not been health data for the individ | | | ure effects listed are based on exis | | |
| <u>Toxicity Overview</u> This product contains the | following components v | which in their pure form | have the following characteristic | | |
| CAS-No. | Chemical Name | Effect | Target Organ | | |
| | Fitanium dioxide | Systemic effects | Respiratory system. | | |
| | | | | | |
| | 12. ECOLOGI | CAL INFORMATION | I | | |
| Persistence and degradab | ility : Not readily l | biodegradable. | | | |
| Environmental Toxicity | : Environmen whole. | : Environmental toxicity has not been established for this mixture as a whole. | | | |
| Bioaccumulation Potentia | ıl : No data avai | : No data available | | | |
| Additional advice | : No data avai | lable | | | |
| | 13. DISPOSAI | L CONSIDERATIONS | \$ | | |
| Product | : Where possible recycling is preferred to disposal or incineration. generator of waste material has the responsibility for proper wast classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations. | | esponsibility for proper waste posal in accordance with | | |
| Contaminated packaging | has the respo | onsibility for proper was in accordance with app | e. The generator of waste materia te classification, transportation licable federal, state/provincial | | |
| | 14. TRANSPO | ORT INFORMATION | | | |
| | | | | | |
| U.S. DOT Classification | : Refer to spec | cific regulation. | | | |
| ICAO/IATA (air) | : Refer to spec | cific regulation. | | | |
| IMO / IMDG (maritime) | : Refer to spec | cific 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 ex Inventory. | empt from th | e TSCA |
| US. EPA CERCLA Hazardous | Subs | stances (40 CFR 302) | | |
| Not applicable | | | | |
| California Proposition 65 | : | Not applicable | | |
| SARA Title III Section 302 Ext Not applicable | trem | ely Hazardous Substance | | |
| SARA Title III Section 313 To: | xic C | Themicals: | | |
| Not applicable Canadian Regulations: | | | | |
| National Pollutant Relea | se Ir | nventory (NPRI) | | |
| Not applicable | | | | |
| WHMIS Classification | : | Not controlled. | | |
| DSL | : | All components of this product are on the Canad Substances List (DSL) or are exempt. | ian Domestic | • |
| National Inventories: | | | | |
| Australia AICS | : | Listed | | |
| China IECS | : | Listed | | |
| Europe EINECS | : | Listed | | |
| Japan ENCS | : | Listed | | |
| Korea KECI | : | Listed | | |
| Philippines PICCS | : | Listed | | |
| | | 16. OTHER INFORMATION | | |

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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 when used in combination with any other materials and/or in any particular process or processing conditions.