

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: TOP TO BOTTOM (Roof & Deck Cleaner)

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|---|----------------|---|----------------------|---|--|---|--|
| EMERGENCY PHONE: 1-800-424-9300 | | | | VII - PRECAUTIONS FOR SAFE HANDLING AND USE | | | |
| May be used to comply with OSHA'S Hazard Communications Standard (HSCJ) 29 CFR 1910, 1200. Standard must be consulted for specific requirements: | | | | HMIS SYMBOLS | | STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED: SMALL SPILLS: Dilute with vinegar and rinse small amounts to sanitary sewer where possible. LARGE SPILLS: Dike area and transfer to containers for disposal. | |
| This product contains substances subject to SARA TITLE III and 40 CFR. | | | | HEALTH 2 | | WASTE DISPOSAL METHOD: Deposit in landfill in accordance with local, state and federal authorities. | |
| | | | | FLAMMABILITY 0 | | VIII - SPECIAL PROTECTION INFORMATION | |
| | | | | REACTIVITY 0 | | RESPIRATORY: Required in misty conditions. Use HEPA and organic vapor cartridges. | |
| I - IDENTIFICATION | | | | EYE: Chemical goggles with side and or face shields. | | | |
| PRODUCT NAME: TOP TO BOTTOM (Roof & Deck Cleaner) | | PACKAGE TYPE: 1, 5, 55 | | SKIN: Required to prevent all skin contact. | | PROTECTIVE: Gloves recommended: wear impervious rubber or neoprene gloves. | |
| PREPARED BY DEPARTMENT OF HAZARDOUS COMMUNICATIONS DEPT | | DATE PREPARED: Sep 04 | | OTHER: Waterproof footwear. Do not allow this product to saturate tennis shoes or other porous or fabric footwear because the product may burn skin. Wear rubber or other waterproof boots and keep your feet out of the product. | | | |
| II - HAZARDOUS INGREDIENTS | | | | IX - SPECIAL PRECAUTIONS | | | |
| PRINCIPLE HAZARDOUS COMPONENT(S) (CHEMICAL NAMES) | | CAS No. | ACGIH TLV | OSHA PEL | % OR RANGE | | |
| Potassium Hydroxide | | 1310-58-3 | 2 mg/m ³ | 2 mg/m ³ | PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT FREEZE. Store away from acids. Do not store in aluminum drums. DO NOT MIX THIS PRODUCT WITH ANY OTHER CHEMICAL. Keep container closed when not in use. Follow label instructions. | | |
| | | | | | SPECIAL PRECAUTIONARY STATEMENTS: Keep this and all chemicals out of reach of children. | | |
| | | | | | NOTICE: We believe that the information contained on this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, expressed or implied, of merchantability fitness or otherwise is made. | | |
| | | | | | <u>SARA Title III Reporting Requirements.</u> | | |
| III - PHYSICAL DATA | | | | 302 Extremely Hazardous Substances): Reporting not required | | | |
| | | | | 304/CERCLA (Spills Notification): Required not required. | | | |
| BOILING POINT (°F) ND | | SPECIFIC GRAVITY (H ₂ O =1) 1.195 | | 311 Community Right-To-Know, RTK): Reporting required. Acute and chronic health hazard, corrosive, toxic. | | | |
| VAPOR PRESSURE (mm Hg) ND | | MELTING POINT NA | | 312 (RTK Inventory Data): Reporting not required. | | | |
| VAPOR DENSITY (Air - 1) ND | | EVAPORATION RATE (H ₂ O = 1) ND | | 313 (Emissions and Releases): Reporting required for inventories in excess of 10,000 pound. | | | |
| Ph 13 | | APPEARANCE AND ODOR: Clear yellow liquid with a bland odor. | | DOT Corrosive, Liquid, Basic, Inorganic, N.O.S. (Contains Potassium Hydroxide) 8, UN-3266, PGII | | | |
| SOLUBILITY IN WATER Complete | | | | <u>References</u> | | | |
| IV - FIRE AND EXPLOSION HAZARD DATA | | | | TOXIC SUBSTANCE CONTROL CT LIST (tsca) - INGREDIENTS LISTED | | | |
| FLAMMABILITY as per CPSC FLAME EXTENSION TEST: ND | | | | PERMISSIBLE EXPOSURE REFERENCES: | | | |
| SPECIAL FIRE FIGHTING PROCEDURES: As appropriate for surrounding fire. Fumes are toxic and irritating. Firefighters should wear self-contained positive air breathing apparatus. Use ABC extinguishers, direct spray towards base of fire. | | | | Registry of Toxic Effects of Chemical substances. | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: None known | | | | Title 29 Code of Federal Regulations National Toxicology Program (NTP) Report on Carcinogens. International Agency for Research on Cancer (IARC) Monograph: Title 40 Code of Federal Regulations | | | |
| V - REACTIVITY DATA | | | | REGULATORY STANDARDS: | | | |
| CHEMICAL STABILITY | UNSTABLE | | CONDITIONS TO AVOID: | | | | |
| | STABLE | X | | | | | |
| INCOMPATIBILITY (Materials to avoid) Mix only with water. Avoid acids and oxidizers. Do not mix with chlorinated detergents or sanitizer-- cause hazardous vapors. | | | | DOT Title 49 Code of Federal Regulations 172.101 | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS: Heat, CO, CO ₂ , butyl vapors contain ethylene oxide. | | | | SARA Title III | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID: | | | | |
| | WILL NOT OCCUR | X | | | | | |
| VI - HEALTH HAZARD AREA | | | | Nuclear Regulatory Commission | | | |
| ROUTE(S) OF ENTRY | | EYES Yes SKIN Yes | | INGESTION Yes | | INHALATION Yes | |
| EFFECTS OF OVER EXPOSURE: | | | | | | | |
| INHALATION: Vapors cause irritation. People with asthma or other lung problems may be more affected | | | | | | | |
| SKIN CONTACT/ABSORPTION: Can cause severe irritation, possible chemical burns, may be absorbed through skin in toxic amounts. | | | | | | | |
| INGESTION: Toxic by ingestion. Toxic by ingestion. Can cause chemical burns of mouth, throat and stomach | | | | | | | |
| EYES: Corrosive to the eyes, may cause blindness | | | | | | | |
| CARCINOGENICITY | | NTP? | | IARC MONOGRAPHS? | | OSHA REGULATED? | |
| EMERGENCY AND FIRST AID PROCEDURES: | | | | | | | |
| EYES AND SKIN: EYES- Wash with plenty of water and remove contact lenses and continue flushing for at least 15 minutes, holding eyelids apart to ensure rinsing of the entire eye. GET MEDICAL ATTENTION IMMEDIATELY. SKIN - Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Discard shoes. Apply a solution of sodium bicarbonate and water to sooth burning. If irritation persists GET MEDICAL ATTENTION. | | | | | | | |
| INHALATION: Remove to fresh air. Contact physician. Never give anything to an unconscious person. GET IMMEDIATE MEDICAL ATTENTION. | | | | | | | |
| INGESTION: Rinse mouth at once. Immediately drink large quantities of water or milk. DO NOT induce vomiting. GET IMMEDIATE MEDICAL ATTENTION. Call Poison Control Center. | | | | | | | |