

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

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 WASTE DISPOSAL METHOD: Deposit in landfill in accordance with local, state and federal authorities.	
This product contains substances subject to SARA TITLE III and 40 CFR.				HEALTH 3		VIII - SPECIAL PROTECTION INFORMATION	
				FLAMMABILITY 0			
				REACTIVITY 0			
I - IDENTIFICATION				RESPIRATORY: Required in misty conditions. Use HEPA and organic vapor cartridges.			
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) NA		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.							