

MATERIAL SAFETY DATA SHEET <i>Complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200)</i>										
INFORMATION TELEPHONE NUMBER: 913-621-6542 (M-F 8 AM to 4:30 PM, CST)					Chemical Emergency: INFOTRAC 800-535-5053					
PRODUCT NAME		T.B. PHENE Germicidal Detergent (EPA Reg. No. 211-36)				REFERENCE: RDY35-1 ITEM NO.: 12170				
DESCRIPTION: A concentrated germicidal detergent formulated with synthetic phenols, anionic surfactants and alcohol.										
MANUFACTURER'S INFORMATION				DATE PREPARED: March 14, 2005			SIGNATURES (Optional)			
Central Solutions, Inc. 401 Funston Rd., P.O. Box 15276 Kansas City, KS 66115				PREPARED By: Gary W. Helton, Environmental Health Specialist						
				REVIEWED By: Terry Hall, Technical Director						
HMIS RATING		<i>Concentrate</i>		HEALTH 2		REACTIVITY 0		FLAMMABILITY 2		PERSONAL B
HMIS RATING		<i>Diluted 1:128 (1 oz./gal.)</i>		HEALTH 1		REACTIVITY 0		FLAMMABILITY 0		PERSONAL B
HAZARD RATINGS: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves										
SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS										
Hazardous Components (Specific Chemical Identity)		CAS #	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)				
* Isopropyl alcohol		67-63-0	400 ppm	400 ppm	400 ppm	5 to 10 %				
Caustic Soda (Sodium hydroxide)		1310-73-2	N/E	N/E	N/E	1 to 5 %				
‡ o-benzyl-p-chlorophenol		120-32-1	N/E	N/E	N/E	1 to 5 %				
* ‡ 2-Phenylphenol		90-43-7	N/E	N/E	N/E	1 to 5 %				
‡ para-tertiary-amyphenol		80-46-6	N/E	N/E	N/E	1 to 5 %				
Contains the above hazardous ingredients as define by: OSHA's Hazard Communication Standard; or as listed as CERCLA Hazardous Substances; or in SARA Title III Section 313 (Toxic Release Chemicals) or Section 302 (Extremely Hazardous Substances)										
† Ingredients listed as germicidal actives * SARA Title III Section 313 Reportable N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L Not Listed										
SECTION 3 - HAZARDS IDENTIFICATION (Potential Health Effects)										
POSSIBLE ROUTES OF ENTRY INTO THE BODY: Eyes • Skin • Ingestion • Inhalation										
HEALTH HAZARDS: Corrosive, causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin or if inhaled.										
SIGNS AND SYMPTOMS OF EXPOSURE: If in eyes: Burning sensation, watering, or redness. If on skin: Redness, irritation, or burning sensation with prolonged exposure.										
If spray mist is inhaled: Possible lung damage, irritation and/or burning sensation. If swallowed: Drowsiness, irregular pulse, loss of consciousness. Possible gastrointestinal irritation or disturbance such as cramps and stomach pains. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.										
CARCINOGENICITY: NO ingredients listed as carcinogens by the NTP (National Toxicology Program) or the IARC (International Agency for Research on Cancer) or regulated by OSHA.										
SECTION 4 - FIRST AID MEASURES										
If in eyes: Flush with water for 15 minutes. If on skin: Wash liberally with soap and water. If on clothes: Wash before reuse. If spray mist is inhaled: Remove to fresh air.										
If swallowed: If patient is conscious and alert, dilute by drinking milk, egg whites or large quantities of water. Do not induce vomiting without medical advice. Always get medical attention when product is swallowed or when symptoms are significant or persist.										
SECTION 5 - FIRE FIGHTING MEASURES										
FLASH POINT: 115°F Combustible Liquid (OSHA & EPA)		(METHOD USED): SETA		Flammable Limits: N/D		LEL: N/D		UEL: N/D		
EXTINGUISHING MEDIA: Methods suitable for the surrounding fire such as Carbon dioxide, Water, Dry Chemical										
SPECIAL FIRE FIGHTING PROCEDURES: Apply water spray to cool closed containers.										
UNUSUAL FIRE AND EXPLOSION HAZARDS: Burning may release combustion products such as Phenolics, carbon monoxide, carbon dioxide, and chlorine										
SECTION 6 - ACCIDENTAL RELEASE MEASURES										
SMALL SPILLS: Small spills (less than 1 gallon) may be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system.										
LARGE SPILLS: Large spills (more than 1 gallon) should be contained and collected (by absorption [sand, clay, or other absorbent material] or vacuuming) then disposed of properly.										
SECTION 7 - HANDLING & STORAGE										
HANDLING: Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed. STORAGE: KEEP OUT OF REACH OF CHILDREN.										
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION										
ENGINEERING CONTROLS: Mechanical (General): Normally Sufficient				Local Exhaust: Not Normally Needed						
RESPIRATORY PROTECTION: General ventilation is normally adequate. Use appropriate respiratory protection if application method produces a fine spray or mists.										
SKIN PROTECTION: Gloves are required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves. EYE PROTECTION: USE Safety Glasses when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.										
WORK/HYGIENE PRACTICES: Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.										
SECTION 9 - PHYSICAL / CHEMICAL PROPERTIES										
Appearance and Odor:		A clear light amber liquid with a slight camphor odor. Product will darken with age.								
Boiling Point:		212° F		Specific Gravity: @25°C		1.024 to 1.044		pH (Concentrate):		11.50 to 12.50
Vapor Pressure:		N.E.		Solubility In Water:		Complete		pH (Diluted): 1:128		8.50 to 10.50
Vapor Density:		N.E.		Melting Point:		N/A		Evaporation Rate:		N.E.
SECTION 10 - STABILITY & REACTIVITY										
STABILITY: Stable INCOMPATIBILITY (Materials or Conditions to Avoid): Extreme high temperatures, sparks, open flames, and strong oxidizing agents.										
HAZARDOUS POLYMERIZATION: Will Not Occur HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None known										
SECTION 11 - DISPOSAL CONSIDERATIONS										
WASTE DISPOSAL METHOD: This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. Dispose of product by using in accordance with label directions or in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).										
SECTION 12 - TRANSPORTATION INFORMATION										
DOT HAZARD CLASS: Class 3 (Flammable), Packing Group III, UN2924										
PROPER SHIPPING NAME & LABELING: 1 Gal & less: ORM-D Consumer Commodity 5 Gal & Larger: Flammable Liquid, Corrosive, N.O.S. (Isopropanol & Sodium Hydroxide), UN2924										
NOTE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.										