

MATERIAL SAFETY DATA SHEET FOR CANTESCO® FORMULA 100

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CANTESCO® FORMULA 100  
PRODUCT IDENTIFIER : LEAK DETECTION COMPOUND  
PRODUCT USE : LEAK DETECTION COMPOUND  
ITEM CODE(S) : 100-08, 100-1G, 100-5G, 100-DR  
100-230, 100-4L, 100-20L  
UPC BAR CODE(S) : 10005, 10295, 10300, 10305  
FORMULA NAME : 100  
FORMULA CODE : 96052  
MSDS CODE : 18  
E-MAIL ADDRESS : [MSDS@CANTESCO.COM](mailto:MSDS@CANTESCO.COM)  
WEB ADDRESS : [WWW.CANTESCO.COM](http://WWW.CANTESCO.COM)  
USA ADDRESS : KEMPER SYSTEM PRODUCTION, INC  
1200 NORTH AMERICA DRIVE  
WEST SENECA, NY 14224  
PH (716) 693-8206  
FAX (716) 693-8373  
CANADIAN ADDRESS : KEMPER SYSTEM CANADA  
13 - 5200 DIXIE ROAD  
MISSISSAUGA, ON L4W 1E4  
PH (905) 624-5463  
FAX (905) 624-2840  
PREPARED BY : QUALITY MANAGER  
TELEPHONE : (905) 624-5463  
EMERGENCY TELEPHONE : (613) 996-6666 (CANUTEC – Call collect)  
PREPARATION DATE : MARCH 01, 2009  
OSHA REGULATORY STATUS : NOT REGULATED  
WHMIS CLASSIFICATION : NOT REGULATED

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS	OSHA PEL	ACGIH TLV	LD50 SPECIES/ROUTE	LC50 SPECIES/ROUTE	%WT
NONE						

SECTION 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

EYE: May possibly cause minor eye irritation.  
SKIN: No health effects anticipated from skin contact.  
INGESTION: Effect of ingestion unknown, but major toxicity is not expected to occur.  
INHALATION: No health effects anticipated from vapour.  
EFFECTS OF ACUTE EXPOSURE: N/Av  
EFFECTS OF CHRONIC EXPOSURE: No serious long-term health effects are anticipated.  
OTHER IMPORTANT HAZARDS: None  
SUGGESTED HMIS RATING: HEALTH | 1 | FLAMMABILITY | 0 | REACTIVITY | 0 | SPECIAL - NONE

## **SECTION 4. FIRST AID MEASURES**

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**INHALATION:** If someone has difficulty breathing after exposure to product, remove him or her to fresh air immediately. If breathing difficulty persists, contact a doctor.

**INGESTION:** If swallowed, do not induce vomiting. Get medical attention right away.

**EYE CONTACT:** For eye contact, flush with water for at least 15 minutes.

**SKIN CONTACT:** For skin contact, wash with soap and water.

## **SECTION 5. FIRE FIGHTING MEASURES**

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**CONDITIONS OF FLAMMABILITY:** Not flammable under normal conditions. Product is water based.

**MEANS OF EXTINCTION:** N/Av

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/Av

**FLASH POINT / DETERMINATION:** None

**UPPER FLAMMABLE LIMIT:** None

**LOWER FLAMMABLE LIMIT:** None

**AUTO-IGNITION TEMPERATURE:** Not known.

**HAZARDOUS COMBUSTION PRODUCTS:** If water component is driven off, and residue ignited, this product may release carbon dioxide, carbon monoxide, and oxides of nitrogen and sulphur.

**EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT:** Not sensitive.

**EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE:** Will not be ignited by exposure to static.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**LEAK / SPILL RESPONSE:** Ensure that all spilled material is promptly cleaned up. Absorb with inert material such as vermiculite or paper towels, place in a chemical waste container for eventual disposal. Seal and label the container as waste. Dispose of in accordance with all federal, state, provincial and local regulations.

**SPECIAL INSTRUCTIONS:** Avoid contact with eyes, or prolonged contact with skin. Wash thoroughly after handling. Keep away from food, and out of reach of small children.

## **SECTION 7. HANDLING AND STORAGE**

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**HANDLING PROCEDURES / EQUIPMENT:** Keep containers closed when not in use.

**STORAGE REQUIREMENTS:** Store in a cool, dry area away from water-reactive chemicals such as sodium and potassium.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EYE PROTECTION: Safety glasses with side shields, or chemical splash goggles, are recommended when handling this product.

SKIN PROTECTION: Protective gloves not normally required. People with sensitive skin may prefer to wear water-proof gloves, such as rubber or neoprene, to avoid skin contact.

ENGINEERING CONTROLS: No special ventilation requirements. Special respiratory protection is not required for normal conditions of use of this product.

EXPOSURE GUIDELINE LEVELS: Not applicable.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE	:	Liquid
ODOR AND APPEARANCE	:	No odor, yellow liquid
ODOR THRESHOLD	:	N/Av
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	:	~1.0
VAPOUR PRESSURE (mm HG)	:	Approximately that of water (24 mm Hg)
VAPOUR DENSITY (AIR=1)	:	0.610
EVAPORATION RATE (BA=1)	:	1.0
BOILING POINT (°F)	:	Approximately 200°F (93°C)
FREEZING POINT (°F)	:	Approximately +27°F (-3°C)
pH	:	7.0
COEFFICIENT OF WATER/OIL DISTRIBUTION	:	N/Av
DENSITY	:	0.998
SOLUBILITY IN WATER	:	Soluble
% VOLATILE BY VOLUME	:	N/Av
VOC'S	:	Less than 1

## SECTION 10. STABILITY AND REACTIVITY

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STABILITY: Normally stable.

CONDITIONS TO AVOID: Excessive heating.

MATERIALS TO AVOID (INCOMPATIBILITIES): Water-reactive chemicals such as sodium or potassium. Not for use on oxygen systems. For oxygen systems use Cantesco leak detection compound formula 300 or formula 365.

CONDITIONS OF REACTIVITY: N/Av

HAZARDOUS DECOMPOSITION BYPRODUCTS: If heated until water is drive off and decomposition begins, this product may release carbon dioxide, carbon monoxide, and oxides of nitrogen and sulphur.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

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LD50: N/Av

LC50: N/Av

ROUTES OF ENTRY: INHALATION[N] EYE CONTACT[Y] SKIN CONTACT[N] SKIN ABSORPTION[N] INGESTION[N]

EXPOSURE LIMITS: N/Av

IRRITANCY OF PRODUCT: Not known to be irritating.

SENSITIZATION TO PRODUCT / MEDICAL CONDITIONS AGGRAVATED: Not known to cause allergies.

CARCINOGENICITY: No ingredients known to be carcinogens.

TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: No effects determined.

TOXICOLOGICAL DATA: N/Av

## SECTION 12. ECOLOGICAL INFORMATION

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ENVIRONMENTAL EFFECTS: Not know. Not expected to have serious environmental effects in small quantities.

IMPORTANT ENVIRONMENTAL CHARACTERISTICS: None known. Product is water-based.

AQUATIC TOXICITY: Not known. Expected to have minimal toxicity.

## SECTION 13. DISPOSAL CONSIDERATIONS

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Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

## SECTION 14. TRANSPORTATION INFORMATION

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SPECIAL SHIPPING INFORMATION : None

DOT HM-181 SHIPPING INFORMATION

PROPER SHIPPING NAME : Not regulated

HAZARD CLASS OR DIVISION : none

UN NUMBER : none

PACKAGING GROUP : none

LABEL(S) REQUIRED : none

TDG SHIPPING INFORMATION

TDG SHIPPING NAME : Not regulated

TDG CLASSIFICATION : none

UN NUMBER : none

PACKING GROUP : none

LABEL(S) REQUIRED : none

NAERG : none

EMERGENCY TELEPHONE NUMBER : (613) 996-6666

INTERNATIONAL TRANSPORT INFORMATION

PROPER SHIPPING NAME : Not regulated

CLASS OR DIVISION : none

SUBSIDIARY RISK : none

HAZARDOUS LABEL(S) : none

PACKAGING GROUP : none

UN OR ID NUMBER : none

## SECTION 15. REGULATORY INFORMATION

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TOXIC SUBSTANCES CONTROL ACT (TSCA): The product on this MSDS, or all of its components, is listed under TSCA.

SARA TITLE III, SECTION 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund and Reauthorization Act of 1986 and 40 CFR Part 372: None

CLEAN AIR ACT (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP – 42 USC 7412, Title I, Part A, p112): None

CLEAN WATER ACT (CWA):The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): None

CALIFORNIA PROPOSITION 65: The following ingredients appear on the Proposition 65 list(s): None

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

DOMESTIC SUBSTANCES LIST (DSL): The product on this MSDS, or all of its components, is included in the DSL.

**SECTION 16. OTHER INFORMATION**

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N/E	Not Established
N/Av	Not Available
N/Ap	Not Applicable
IARC	International Agency for Research on Cancer
ACGIH	American Conference of Governmental Industrial Hygienists
NIOSH	National Institute for Occupational Health and Safety
TLV-TWA	Threshold Limit Values, Time Weighted Average
NAERG	North American Emergency Response Guidebook
WHMIS	Workplace Hazardous Materials Information System

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ADDITIONAL INFORMATION REPLY FORM – PLEASE FAX OR EMAIL BACK

**PLEASE ADD ME TO YOUR MSDS DATA BASE FOR PRODUCT UPDATES:**

NAME		TITLE / DEPT	
FIRM			
ADDRESS			
CITY			
STATE / PROV		ZIP / POSTAL CODE	
PHONE		FAX	
EMAIL ADDRESS			

**PLEASE SEND ME INFORMATION ON THE FOLLOWING CANTESCO® PRODUCTS:**

WELDING CHEMICAL PRODUCTS	
AUTOMOTIVE, TRUCK & BUS FLEET WASH PRODUCTS	
CONSUMER CLEANING PRODUCTS	
INDUSTRIAL & INSTITUTIONAL CLEANERS	
HVAC CHEMICAL PRODUCTS	