

**MATERIAL SAFETY DATA SHEET FOR CANTESCO® C101-A AEROSOL**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME : CANTESCO® CLEANER – STANDARD  
 PRODUCT IDENTIFIER : CLEANER - STANDARD  
 PRODUCT USE : DYE PENETRANT CLEANER  
 ITEM CODE(S) : C101-A  
 UPC BAR CODE(S) : 10385  
 FORMULA NAME : C101-A  
 FORMULA CODE : 0  
 MSDS CODE : 9  
 E-MAIL ADDRESS : [MSDS@CANTESCO.COM](mailto:MSDS@CANTESCO.COM)  
 WEB ADDRESS : [WWW.CANTESCO.COM](http://WWW.CANTESCO.COM)  
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 1200 NORTH AMERICA DR,  
 WEST SENECA, NY 14224  
 PH (716) 693-8206  
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 13 - 5200 DIXIE ROAD  
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 PREPARED BY : QUALITY MANAGER  
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 EMERGENCY TELEPHONE : (613) 996-6666 (CANUTEC – Call collect)  
 PREPARATION DATE : May 25, 2010  
 OSHA REGULATORY STATUS : REGULATED  
 WHMIS CLASSIFICATION : A,B5, D2A,D2B

**SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS	OSHA PEL		ACGIH TLV		LD50 SPECIES/ROUTE	LC50 SPECIES/ROUTE	%WT
STODDARD SOLVENT	08052-41-3	100	ppm	100	ppm	>3 g/kg rabbit/dermal	>8200 mg/m3 (rat)	10 – 30 %
XYLENE	01330-20-7	100	ppm	100	ppm	>3 ml/kg rabbit/dermal	6700 ppm/4h (rat)	10 – 30 %
LIQUIFIED PETROLEUM GAS	68476-85-7	1000	ppm	1000	ppm	N/Av	57.42% v/v (mice)	10 – 30 %
ISOPROPYL ALCOHOL	00067-63-0	400	ppm	400	ppm	>12 g/kg rabbit/dermal	12000 ppm/8h (rat)	10 – 30 %
ACETONE	00067-64-1	1000	ppm	750	ppm	>20 g/kg rabbit/dermal	16000 ppm/4h (rat)	10 – 30 %
METHYL ETHYL KETONE	00078-93-3	100	ppm	50	ppm	>20 ml/kg rabbit/dermal	4000 ppm/4h (rat)	5 – 10 %
ETHYL BENZENE	00100-41-4	100	ppm	100	ppm	>15,433 mg/kg rabbit/	4000 ppm/4h (rat)	1-5%
PM ACETATE	00108-65-6	N/E		N/E		>7500 mg/kg rabbit/dermal	>5320 ppm/4h (rat)	1-5%

**SECTION 3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. STORE BELOW 120°F (49°C), OUT OF SUNLIGHT AND AWAY FROM HEAT SOURCES. DO NOT PUNCTUE OR INCINERATE. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

EYE: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

SKIN: Frequent or prolonged contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: Due to being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat and gastrointestinal tract, resulting in vomiting and/or cramps.

INHALATION: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, or confusion.

EFFECTS OF ACUTE EXPOSURE: N/Av

EFFECTS OF CHRONIC EXPOSURE: N/ Av

OTHER IMPORTANT HAZARDS: N/Av

SUGGESTED HMIS RATING: HEALTH | 2 | FLAMMABILITY | 4 | REACTIVITY | 0 | PERSONAL PROTECTION | B |



## SECTION 4. FIRST AID MEASURES

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**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

**INGESTION:** Unlikely due to being in aerosol form. Should actual ingestion occur, do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**EYE CONTACT:** Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment.

**SKIN CONTACT:** Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues or if large skin area is affected.

## SECTION 5. FIRE FIGHTING MEASURES

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**CONDITIONS OF FLAMMABILITY:** Heat, sparks, flame, red hot metal.

**MEANS OF EXTINCTION:** For warehouse and storage conditions, use NFPA Class B extinguishers (CO<sub>2</sub>, dry chemical or universal aqueous film forming foam).

**SPECIAL FIRE FIGHTING PROCEDURES:** Use water spray to cool fire exposed aerosol containers for containers can rupture violently from heat developed pressure.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents extremely flammable and under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion will be created. Firemen should wear self-contained breathing apparatus.

**FLASH POINT / DETERMINATION:** Propellant < 0°F (<-18°C)

**UPPER FLAMMABLE LIMIT:** 9.5%

**LOWER FLAMMABLE LIMIT:** 1.8%

**AUTO-IGNITION TEMPERATURE:** N/Av

**HAZARDOUS COMBUSTION PRODUCTS:** N/Av

**EXPLOSION DATA - SENSITIVITY TO MECHANICAL IMPACT:** N/Av

**EXPLOSION DATA - SENSITIVITY TO STATIC DISCHARGE:** N/Av

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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**LEAK / SPILL RESPONSE:** Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill. Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

**SPECIAL INSTRUCTIONS:** Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.

## SECTION 7. HANDLING AND STORAGE

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**HANDLING PROCEDURES / EQUIPMENT:** Avoid prolonged or repeated skin contact. Avoid breathing vapors.

**STORAGE REQUIREMENTS:** Store in area below 120°F (49°C). Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For store of pallet quantities, compliance with ANSI/NFPA 30B is recommended.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**EYE PROTECTION:** Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.

**SKIN PROTECTION:** For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as Sol-Vex® gloves or other clothing impervious to the ingredient listed in Section 2.

**ENGINEERING CONTROLS:** General ventilation (typically 10 air changes for hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system, may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient from Section 2.

**EXPOSURE GUIDELINE LEVELS:** Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing use the lowest rated ingredient in Section 2.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	> 133 ° (56.1 °)	Melting/Freezing Point	> -140 ° (-95.3 °)
Flash Point, Liquid Content	> 1 ° (-17.0 °)	Flash Point, Propellant	-156 ° (-104.4)
Explosive Limits	0.80% - 13.00%	Autoignition Temperature	500 ° (260 °)
Flammability	0 0000 000 0000 0 0000 0 000000	Specific Gravity (H <sub>2</sub> O = 1)	0.770 0.780
Molecular Weight	0 000 000000	Weight	6.427 00.700
Vapor Pressure	100 0000	pH	0 000 000000
Vapor Density	4.60 0.70 0 0000 00	Evaporation Rate	0 000 000000
Physical State	00000 0 00000 000000	Partition Coefficient	0 000 000000
Viscosity	0 000 000000	Refractive Index	0 000 000000
Percent Volatile	100% 0 (100% 000 0 00)	VOC Content	5.784 00.700 (693.090 0.7)
Percent VOC	90% 0 (91 % 000 0 00)	HAP Content	1.285 00.700 (154.020 0.7)
Odor Threshold	0 000 000000	MIR Value	2.472 0 3.7
Odor	0 0000 000000	Water Solubility	0 000 000000
Appearance	0 0000 0000	Decomposition Temperature	0 000 000000

## SECTION 10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, sparks, flame, red hot metal.

MATERIALS TO AVOID (INCOMPATIBILITIES): Strong oxidizing materials.

CONDITIONS OF REACTIVITY: N/Av

HAZARDOUS DECOMPOSITION BYPRODUCTS: Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

ID	ORAL LD50	DERMAL LD50	INHALATION LC50
1	Not Available	500 mg/kg, rabbit	Not Available
2	5045 mg/kg, rat	12800 mg/kg, rabbit	46 mg/l /4 hr, rat
3	Not Available	Not Available	57.42% v/v, mouse
4	2840 mg/kg, rat	4500 mg/kg, rabbit	6300 mg/l /4 hr, rat
5	4800 mg/kg, rat	20000 mg/kg, rabbit	76 mg/kg /4 hr, rat
6	> 2600 mg/kg, mouse	> 8000 mg/kg, rat	20 mg/l /4 hr, rat
7	8532 mg/kg, rat	7500 mg/kg, rabbit	> 5320 ppm /4 hr, rat

LD50: N/Av

LC50: N/Av

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

EXPOSURE LIMITS: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing use the lowest rated ingredient in Section 2.

IRRITANCY OF PRODUCT: N/Av

SENSITIZATION TO PRODUCT / MEDICAL CONDITIONS AGGRAVATED: N/Av

CARCINOGENICITY: None of the ingredients in this product are listed with IARC, NTP or OSHA as being carcinogenic.

TERATOGENICITY / MUTAGENICITY / REPRODUCTIVE TOXICITY: N/Av

TOXICOLOGICAL DATA: N/Av

## SECTION 12. ECOLOGICAL INFORMATION

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ENVIRONMENTAL EFFECTS: This product has not been tested for environmental effects.

IMPORTANT ENVIRONMENTAL CHARACTERISTICS: N/Av

AQUATIC TOXICITY: N/Av

## SECTION 13. DISPOSAL CONSIDERATIONS

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An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

## SECTION 14. TRANSPORTATION INFORMATION

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SPECIAL SHIPPING INFORMATION : N/Av

DOT HM-181 SHIPPING INFORMATION

PROPER SHIPPING NAME : Consumer Commodity

HAZARD CLASS OR DIVISION : ORM-D

UN NUMBER : 1950

PACKAGING GROUP : none

LABEL(S) REQUIRED : none



### TDG SHIPPING INFORMATION (Canada)

TDG SHIPPING INFORMATION

TDG SHIPPING NAME : Aerosols, Flammable Limited Quantity

TDG CLASSIFICATION : 2.1

UN NUMBER : 1950

PACKING GROUP : none

LABEL(S) REQUIRED : none

NAERG : 126

EMERGENCY TELEPHONE NUMBER : (613) 996-6666



INTERNATIONAL TRANSPORT INFORMATION

PROPER SHIPPING NAME : Consumer Commodity

CLASS OR DIVISION : 9

SUBSIDIARY RISK : none

HAZARDOUS LABEL(S) : Miscellaneous

PACKAGING GROUP : none

UN OR ID NUMBER : ID8000

## 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: Xylene (1330-20-7), Methyl Ethyl Ketone (78-93-3), Ethyl Benzene(100-41-4)

CLEAN AIR ACT (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP – 42 USC 7412, Title I, Part A, p112): Xylene, Methyl Ethyl Ketone, Ethyl Benzene

CLEAN WATER ACT (CWA):The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): Xylene

CALIFORNIA PROPOSITION 65: This product contains a chemical known in the state of California to cause cancer, birth defects or other reproductive harm. Benzene, Ethyl benzene, toluene.

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	