



# MATERIAL SAFETY DATA SHEET

## CMT FORMULA 2050

according to 1907/2006/EC, Article 31  
MSDS DATE: 01/12/2009

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CMT FORMULA 2050  
SYNONYMS: MIXTURE  
PRODUCT CODES: 998.001.01 - 998.001.03

MANUFACTURER/SUPPLIER: CMT UTENSILI SPA  
DIVISION:  
ADDRESS: VIA DELLA MECCANICA SN, 61122 CHIUSA DI GINESTRETO - ITALY

EMERGENCY PHONE: +39 0721 48571

OTHER CALLS: info@cmtutensili.com  
FAX PHONE: +39 0721 481021

CHEMICAL NAME: N/A  
CHEMICAL FAMILY: MIXTURE  
CHEMICAL FORMULA: PROPRIETARY

PRODUCT USE: INDUSTRIAL CLEANER

SECTION 1 NOTES:

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:  
2-BUTOXYETHANOL

CAS NO.	EINECS	% WT	% VOL	SARA 313 REPORTABLE
111-76-2	268-687-1	< 4%	< 4%	N/A
		<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL-TWA:		50	242	
ACGIH TLV-TWA:		25	121	

SECTION 2 NOTES:

### SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: NON TOXIC

ROUTES OF ENTRY:

POTENTIAL HEALTH EFFECTS

EYES: EYE IRRITANT

SKIN: PROLONGED EXPOSURE MAY TEND TO IRRITATE SENSITIVE SKIN

INGESTION: MAY CAUSE INDIGESTION

INHALATION: MAY CAUSE TEMPORARY SHORTNESS OF BREATH

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SENSITIVE SKIN

CARCINOGENICITY

OSHA: n/a	ACGIH: n/a	NTP: n/a	IARC: n/a
OTHER: n/a			

SECTION 3 NOTES: THE INGREDIENTS OF THIS PRODUCT ARE NOT CARCINOGENIC



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## SECTION 4: FIRST AID MEASURES

**EYES:** FLUSH WITH POTABLE WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION

**SKIN:** IF IRRITATED, WITHDRAW FROM FURTHER CONTACT. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION

**INGESTION:** DRINK WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION

**INHALATION:** REMOVE TO FRESH AIR. IF BREATHING IS LABORED, GET MEDICAL ATTENTION

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** At ,4% CS-13 does not possess occupational health risk associated with undiluted 2-butoxyethanol. None of the ingredients of CS-13 are regulated under RCRA, CERCLA or CWA and none are regulated or listed as potential cancer agents by OSHA, NTP or IARC

SECTION 4 NOTES:

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## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, UPPER:** N/A  
**(% BY VOLUME) LOWER:** N/A

**FLASH POINT:**

**F:** N/A

**C:** N/A

**METHOD USED:** N/A

**AUTOIGNITION TEMPERATURE:**

**F:** N/A

**C:** N/A

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** 1

**FLAMMABILITY:** 0

**REACTIVITY:** 0

**OTHER:** n/a

**HMIS HAZARD CLASSIFICATION**

**HEALTH:** 1

**FLAMMABILITY:** 0

**PHYSICAL HAZARD:** 0

**OTHER:** n/a

**EXTINGUISHING MEDIA:** THIS PRODUCT DOES NOT BURN

**SPECIAL FIRE FIGHTING PROCEDURES:** NONE

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

**HAZARDOUS DECOMPOSITION PRODUCTS:** NONE

SECTION 5 NOTES: THIS PRODUCT DOES NOT BURN

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** SMALL SPILLS MAY BE FLUSHED TO MUNICIPAL SEWAGE DRAIN OR APPROVED WASTE WATER TREATMENT FACILITY. LARGER SPILLS SHOULD BE ABSORBED, CONTAINED, AND RECYCLED.

SECTION 6 NOTES: THIS PRODUCT CAN RENDER FLAT SURFACES EXTREMELY SLIPPERY. BE CAREFUL



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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: STORE IN LEAK PROOF CONTAINERS IN A COOL PLACE

OTHER PRECAUTIONS: NONE

SECTION 7 NOTES:

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS: N/A  
VENTILATION : N/A  
RESPIRATORY PROTECTION: N/A  
EYE PROTECTION: OPTIONAL BUT RECOMMENDED  
SKIN PROTECTION: OPTIONAL BUT RECOMMENDED  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: OPTIONAL  
WORK HYGIENIC PRACTICES: NORMAL  
EXPOSURE GUIDELINES: NO SPECIAL RULES

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: CLEAR LIQUID FOAMS EASILY  
ODOR: SLIGHTLY SWEET SMELL  
PHYSICAL STATE: LIQUID  
pH AS SUPPLIED: 9.2  
pH (Other): N/A  
BOILING POINT:  
    F: 219  
    C: 104  
MELTING POINT:  
    F: 18  
    C: -8  
FREEZING POINT:  
    F: 18  
    C: -8  
VAPOR PRESSURE (mmHg): 17.5  
    @  
        F: 68  
        C: 20  
VAPOR DENSITY (AIR = 1): 1.02  
    @  
        F: 68  
        C: 20  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.02  
    @  
        F: 68  
        C: 20



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EVAPORATION RATE: SAME AS WATER

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BASIS (=1): 1

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER: SOLUBLE

PERCENT SOLIDS BY WEIGHT: 12%

PERCENT VOLATILE:  
BY WT/ BY VOL @ 96%  
F: 68  
C: 20

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER:	LBS/GAL	VARIES
WITHOUT WATER:	LBS/GAL	< 4%

MOLECULAR WEIGHT: MIXTURE (SAME AS WATER)

VISCOSITY: 1.04 cSt

@  
F: 100  
C: 38

SECTION 9 NOTES:

## SECTION 10: STABILITY AND REACTIVITY

	<u>STABLE</u>	<u>UNSTABLE</u>
STABILITY:		
CONDITIONS TO AVOID (STABILITY):	THIS PRODUCT IS STABLE	
INCOMPATIBILITY (MATERIAL TO AVOID):	OVER TIME, MAY TEND TO DULL ALUMINUM AND MAGNESIUM	
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	NONE	
HAZARDOUS POLYMERIZATION:	N/A	
CONDITIONS TO AVOID (POLYMERIZATION):	N/A	

SECTION 10 NOTES:

## SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: THIS PRODUCT HAS BEEN DETERMINED A MILD EYE IRRITANT BY DUKE UNIVERSITY DEPT OF ENVIRONMENTAL HEALTH

SECTION 11 NOTES:

## SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: THIS PRODUCT BIODEGRADES 97% IN 28 DAYS

SECTION 12 NOTES:

## SECTION 13: DISPOSAL CONSIDERATIONS



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WASTE DISPOSAL METHOD: SMALL SPILLS MAY BE FLUSHED WITH WATER  
RCRA HAZARD CLASS: N/A  
SECTION 13 NOTES: NO SPECIAL CONSIDERATIONS

## SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION THIS PRODUCT IS NOT REGULATED  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENT:

WATER TRANSPORTATION THIS PRODUCT IS NOT REGULATED  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

AIR TRANSPORTATION THIS PRODUCT IS NOT REGULATED  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

## SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS  
TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A  
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A  
311/312 HAZARD CATEGORIES: N/A  
313 REPORTABLE INGREDIENTS: NONE REPORTABLE  
STATE REGULATIONS: N/A  
INTERNATIONAL REGULATIONS: N/A

SECTION 15 NOTES:

## SECTION 16: OTHER INFORMATION

OTHER INFORMATION:  
PREPARATION INFORMATION:  
DISCLAIMER: