



# 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



**MATERIAL SAFETY DATA SHEET**  
**CMT FORMULA 2050**

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

---

**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:

---

**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**

---

**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**



# MATERIAL SAFETY DATA SHEET

## CMT FORMULA 2050

according to 1907/2006/EC, Article 31

MSDS DATE: 01/12/2009

### SECTION 7: HANDLING AND STORAGE

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

OTHER PRECAUTIONS: NONE

SECTION 7 NOTES:

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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:

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

EVAPORATION RATE: SAME AS WATER

BASIS (=1): 1



**MATERIAL SAFETY DATA SHEET**  
**CMT FORMULA 2050**

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

**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**

WASTE DISPOSAL METHOD: SMALL SPILLS MAY BE FLUSHED WITH WATER

RCRA HAZARD CLASS: N/A

SECTION 13 NOTES: NO SPECIAL CONSIDERATIONS



**MATERIAL SAFETY DATA SHEET**  
**CMT FORMULA 2050**

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

---

**SECTION 14: TRANSPORT INFORMATION**

---

ROAD TRANSPORTATION  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENT:

THIS PRODUCT IS NOT REGULATED

WATER TRANSPORTATION  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

THIS PRODUCT IS NOT REGULATED

AIR TRANSPORTATION  
PROPER SHIPPING NAME:  
HAZARD CLASS:  
ID NUMBER:  
PACKING GROUP:  
LABEL STATEMENTS:

THIS PRODUCT IS NOT REGULATED

OTHER AGENCIES:

SECTION 14 NOTES:

---

**SECTION 15: REGULATORY INFORMATION**

---

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: