

3M

COMPUBLEND II BASE S Revised: 10/15/2002

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Item Number:
3U133

Mfg. Model Number:
COMPUBLEND BASE S

3M

3M MATERIAL SAFETY DATA SHEET

COMPUBLEND(TM) II BASE S

10/15/2002

MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: COMPUBLEND(TM) II BASE S

MANUFACTURER: 3M

DIVISION: COMMERCIAL CARE DIVISION

ADDRESS:
3M CENTER

ST. PAUL, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 OR (651) 737-6501 (24 HOURS)

ISSUE DATE: 10/15/2002

SUPERCEDES DATE: 10/15/2002

DOCUMENT GROUP: 11-3756-1

PRODUCT USE:

SPECIFIC USE: CLEANING CHEMICAL

SECTION 2: INGREDIENTS

INGREDIENT	C.A.S. NO.	% BY WT
WATER	7732-18-5	60-90
SODIUM HYDROXIDE	1310-73-2	5-10
SODIUM METASILICATE	6834-92-0	1-5

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW:

ODOR, COLOR, GRADE: CLEAR DARK RED COLOR, MILD ODOR

GENERAL PHYSICAL FORM: LIQUID

IMMEDIATE HEALTH, PHYSICAL, AND ENVIRONMENTAL HAZARDS:

MAY CAUSE CHEMICAL EYE BURNS. MAY CAUSE CHEMICAL SKIN BURNS. MAY CAUSE TARGET ORGAN EFFECTS.

3.2 POTENTIAL HEALTH EFFECTS:

EYE CONTACT:

CORROSIVE (EYE BURNS):

SIGNS/SYMPTOMS MAY INCLUDE CLOUDY APPEARANCE OF THE CORNEA, CHEMICAL BURNS, SEVERE PAIN, TEARING, ULCERATIONS, SIGNIFICANTLY IMPAIRED VISION OR COMPLETE LOSS OF VISION.

SKIN CONTACT:

CORROSIVE (SKIN BURNS):
SIGNS/SYMPTOMS MAY INCLUDE LOCALIZED REDNESS, SWELLING, ITCHING, INTENSE PAIN, BLISTERING, ULCERATION, AND TISSUE DESTRUCTION.

INHALATION:
SINGLE EXPOSURE, ABOVE RECOMMENDED GUIDELINES, MAY CAUSE:
UPPER RESPIRATORY TRACT IRRITATION:
SIGNS/SYMPTOMS MAY INCLUDE COUGH, SNEEZING, NASAL DISCHARGE, HEADACHE, HOARSENESS, AND NOSE AND THROAT PAIN.

PROLONGED OR REPEATED EXPOSURE, ABOVE RECOMMENDED GUIDELINES, MAY CAUSE:

LUNG EFFECTS:
SIGNS/SYMPTOMS MAY INCLUDE DIFFICULTY BREATHING, COUGH, WHEEZING, WEAKNESS, INCREASED HEART RATE, BLUISH COLORED SKIN (CYANOSIS), SPUTUM PRODUCTION AND CHANGES IN LUNG FUNCTION TESTS.

PULMONARY EDEMA:
SIGNS/SYMPTOMS MAY INCLUDE CHEST DISCOMFORT, SHORTNESS OF BREATH, SIGNIFICANT COUGH WITH FROTHY SPUTUM PRODUCTION, BLUISH COLORED SKIN (CYANOSIS), INCREASED HEART RATE AND POSSIBLE RESPIRATORY FAILURE, AND MAY BE FATAL.

INGESTION:

GASTROINTESTINAL CORROSION:
SIGNS/SYMPTOMS MAY INCLUDE SEVERE MOUTH, THROAT AND ABDOMINAL PAIN, NAUSEA, VOMITING, AND DIARRHEA; BLOOD IN THE FECES AND/OR VOMITUS MAY ALSO BE SEEN.

CHEMICAL (ASPIRATION) PNEUMONITIS:
SIGNS/SYMPTOMS MAY INCLUDE COUGHING, GASPING, CHOKING, BURNING OF THE MOUTH, DIFFICULTY BREATHING, BLUISH COLORED SKIN (CYANOSIS), AND MAY BE FATAL.

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES:
THE FOLLOWING FIRST AID RECOMMENDATIONS ARE BASED ON AN ASSUMPTION THAT APPROPRIATE PERSONAL AND INDUSTRIAL HYGIENE PRACTICES ARE FOLLOWED.

EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY FLUSH SKIN WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING AND CLEAN SHOES BEFORE REUSE.

INHALATION:

IF SIGNS/SYMPTOMS DEVELOP, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

IF SWALLOWED:

DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO SO BY MEDICAL PERSONNEL. GIVE VICTIM TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION.

NOTE TO PHYSICIAN:

PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES:

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

FLAMMABLE LIMITS - LEL: NOT APPLICABLE

FLAMMABLE LIMITS - UEL: NOT APPLICABLE

OSHA FLAMMABILITY CLASSIFICATION: NOT APPLICABLE

5.2 EXTINGUISHING MEDIA: MATERIAL WILL NOT BURN.

5.3 PROTECTION OF FIRE FIGHTERS:

SPECIAL FIRE FIGHTING PROCEDURES: NONFLAMMABLE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT APPLICABLE.

NOTE:

SEE STABILITY AND REACTIVITY (SECTION 10) FOR HAZARDOUS COMBUSTION AND THERMAL DECOMPOSITION INFORMATION.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

OBSERVE PRECAUTIONS FROM OTHER SECTIONS. CALL 3M- HELPS LINE (1-800-364-3577) FOR MORE INFORMATION ON HANDLING AND MANAGING THE SPILL. EVACUATE UNPROTECTED AND UNTRAINED PERSONNEL FROM HAZARD AREA. THE SPILL SHOULD BE CLEANED UP BY QUALIFIED PERSONNEL. VENTILATE THE AREA WITH FRESH AIR. CONTAIN SPILL. DILUTE IN A LARGE EXCESS OF WATER. CAREFULLY, AND WITH STIRRING, ADD APPROPRIATE DILUTE ACID SUCH AS SULFAMIC ACID OR VINEGAR. CONFIRM NEUTRALITY. WORKING FROM AROUND THE EDGES OF THE SPILL INWARD,

COVER WITH BENTONITE, VERMICULITE, OR COMMERCIALY AVAILABLE INORGANIC ABSORBENT MATERIAL. MIX IN SUFFICIENT ABSORBENT UNTIL IT APPEARS DRY. REMEMBER, ADDING AN ABSORBENT MATERIAL DOES NOT REMOVE A TOXIC, CORROSIVITY OR FLAMMABILITY HAZARD. CLEAN UP RESIDUE WITH WATER. PLACE IN A METAL CONTAINER APPROVED FOR USE IN TRANSPORTATION BY APPROPRIATE AUTHORITIES. THE CONTAINER MUST BE LINED WITH POLYETHYLENE PLASTIC OR CONTAIN A PLASTIC DRUM LINER MADE OF POLYETHYLENE. COVER, BUT DO NOT SEAL FOR 48 HOURS. DISPOSE OF COLLECTED MATERIAL AS SOON AS POSSIBLE.

IN THE EVENT OF A RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE QUALIFIES AS REPORTABLE ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING:

AVOID EYE CONTACT WITH VAPORS, MISTS, OR SPRAY. AVOID SKIN CONTACT. AVOID BREATHING OF VAPORS, MISTS OR SPRAY. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER. KEEP OUT OF THE REACH OF CHILDREN.

7.2 STORAGE: STORE UNDER NORMAL WAREHOUSE CONDITIONS.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS: USE IN A WELL-VENTILATED AREA.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE):

8.2.1 EYE/FACE PROTECTION:

AVOID EYE CONTACT WITH VAPORS, MISTS, OR SPRAY.
THE FOLLOWING EYE PROTECTION(S) ARE RECOMMENDED:
FULL FACE SHIELD, INDIRECT VENTED GOGGLES.

8.2.2 SKIN PROTECTION:

AVOID SKIN CONTACT. SELECT AND USE GLOVES AND/OR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT BASED ON THE RESULTS OF AN EXPOSURE ASSESSMENT. CONSULT WITH YOUR GLOVE AND/OR PROTECTIVE CLOTHING MANUFACTURER FOR SELECTION OF APPROPRIATE COMPATIBLE MATERIALS. GLOVES MADE FROM THE FOLLOWING MATERIAL(S) ARE RECOMMENDED: BUTYL RUBBER.

8.2.3 RESPIRATORY PROTECTION:

AVOID BREATHING OF VAPORS, MISTS OR SPRAY. USE IN A WELL-VENTILATED AREA.

8.2.4 PREVENTION OF SWALLOWING:
DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER.

8.3 EXPOSURE GUIDELINES:

INGREDIENT	AUTHORITY	TYPE	LIMIT	ADDITIONAL INFORMATION
SODIUM HYDROXIDE	ACGIH	CEIL	2 MG/M3	
SODIUM HYDROXIDE	CMRG	TWA	2 MG/M3	
SODIUM HYDROXIDE	OSHA	CEIL	2 MG/M3	TABLE Z-1A
SODIUM HYDROXIDE	OSHA	TWA	2 MG/M3	TABLE Z-1

SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

CMRG: CHEMICAL MANUFACTURER RECOMMENDED GUIDELINE

OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

AIHA:
AMERICAN INDUSTRIAL HYGIENE ASSOCIATION WORKPLACE ENVIRONMENTAL EXPOSURE
LEVEL (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

ODOR, COLOR, GRADE: CLEAR DARK RED COLOR, MILD ODOR

GENERAL PHYSICAL FORM: LIQUID

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLASH POINT: NOT APPLICABLE

FLAMMABLE LIMITS - LEL: NOT APPLICABLE
FLAMMABLE LIMITS - UEL: NOT APPLICABLE

BOILING POINT: 212 DEG. F

DENSITY: NO DATA AVAILABLE

VAPOR DENSITY: NO DATA AVAILABLE

VAPOR PRESSURE: NO DATA AVAILABLE

SPECIFIC GRAVITY: APPROXIMATELY 1.1 (REF STD: WATER=1)

pH: 13-14

MELTING POINT: NOT APPLICABLE

SOLUBILITY IN WATER: COMPLETE

EVAPORATION RATE: NO DATA AVAILABLE

VOLATILE ORGANIC COMPOUNDS:
< 0.1 % (TEST METHOD: CALCULATED PER CARB TITLE 2)

PERCENT VOLATILE: 60 - 90 %

VOC LESS H2O & EXEMPT SOLVENTS: NO DATA AVAILABLE

VISCOSITY: < /=100 CENTIPOISE

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE.

MATERIALS AND CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

SUBSTANCE	CONDITION
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NOT APPLICABLE.	DURING COMBUSTION
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SECTION 11: TOXICOLOGICAL INFORMATION

PLEASE CONTACT THE ADDRESS LISTED IN SECTION 1 OF THIS MSDS FOR TOXICOLOGICAL INFORMATION ON THIS MATERIAL AND/OR ITS COMPONENTS.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: NOT DETERMINED

CHEMICAL FATE INFORMATION: NOT DETERMINED

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

DISPOSE OF WASTE PRODUCT IN A PERMITTED HAZARDOUS WASTE FACILITY.

EPA HAZARDOUS WASTE NUMBER (RCRA): D002 (CORROSIVE)

SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL.

SECTION 14: TRANSPORT INFORMATION

ID NUMBER	UPC	ID NUMBER	UPC
61-5000-6957-2	00-48011-14706-2	61-5000-7978-7	00-48011-15548-7
70-0706-7555-1	00-48011-20634-4		

PLEASE CONTACT THE EMERGENCY NUMBERS LISTED IN SECTION 1 OF THIS MSDS FOR TRANSPORTATION INFORMATION FOR THIS MATERIAL.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS:

311/312 HAZARD CATEGORIES:

FIRE HAZARD - NO
PRESSURE HAZARD - NO
REACTIVITY HAZARD - NO
IMMEDIATE HAZARD - YES
DELAYED HAZARD - YES

CHEMICAL INVENTORIES:

ALL APPLICABLE CHEMICAL INGREDIENTS IN THIS MATERIAL ARE LISTED ON THE

EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES (EINECS), OR ARE EXEMPT POLYMERS WHOSE MONOMERS ARE LISTED ON EINECS.

THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE CHEMICAL NOTIFICATION REQUIREMENTS OF TSCA.

THIS MSDS HAS BEEN PREPARED TO MEET THE U.S. OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA HAZARD CLASSIFICATION:

HEALTH: 3
FLAMMABILITY: 0
REACTIVITY: 0
SPECIAL HAZARDS: NONE

ACID/BASE: ALKALINE

CORROSIVE: YES

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS ARE DESIGNED FOR USE BY EMERGENCY RESPONSE PERSONNEL TO ADDRESS THE HAZARDS THAT ARE PRESENTED BY SHORT-TERM, ACUTE EXPOSURE TO A MATERIAL UNDER CONDITIONS OF FIRE, SPILL, OR SIMILAR EMERGENCIES. HAZARD RATINGS ARE PRIMARILY BASED ON THE INHERENT PHYSICAL AND TOXIC PROPERTIES OF THE MATERIAL BUT ALSO INCLUDE THE TOXIC PROPERTIES OF COMBUSTION OR DECOMPOSITION PRODUCTS THAT ARE KNOWN TO BE GENERATED IN SIGNIFICANT QUANTITIES.

HMIS HAZARD CLASSIFICATION:

HEALTH: 3
FLAMMABILITY: 0
REACTIVITY: 0
PROTECTION: X - SEE PPE SECTION.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS(R)) HAZARD RATINGS ARE DESIGNED TO INFORM EMPLOYEES OF CHEMICAL HAZARDS IN THE WORKPLACE. THESE RATINGS ARE BASED ON THE INHERENT PROPERTIES OF THE MATERIAL UNDER EXPECTED CONDITIONS OF NORMAL USE AND ARE NOT INTENDED FOR USE IN EMERGENCY SITUATIONS. HMIS(R) RATINGS ARE TO BE USED WITH A FULLY IMPLEMENTED HMIS(R) PROGRAM. HMIS(R) IS A REGISTERED MARK OF THE NATIONAL PAINT AND COATINGS ASSOCIATION (NPCA).

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