



## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** COMPUBLEND(tm) II BASE W  
**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:** 07/27/2005  
**Supersedes Date:** 10/23/2002

**Document Group:** 11-3760-3

**Product Use:**

Specific Use: 3M (TM) CompuBlend (TM) II Cleaning System Base Chemical

### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
WATER	7732-18-5	60 - 90
SODIUM OCTYL SULFONATE	5324-84-5	10 - 30
SODIUM SULFATE	7757-82-6	1 - 5
ISOPROPYL ALCOHOL	67-63-0	0.5 - 1.5
METHYL ISOBUTYL KETONE	108-10-1	< 0.001

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Liquid

**Odor, Color, Grade:** Clear, colorless to light amber color, mild odor

**General Physical Form:** Liquid

**Immediate health, physical, and environmental hazards:** Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back. May cause severe eye irritation.

#### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Skin Contact:**

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching.

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

## 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:** Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, 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 medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

**Flash Point** < 200 °F [*Test Method:* Closed Cup]

**OSHA Flammability Classification:** Class IIIB Combustible Liquid

### 5.2 EXTINGUISHING MEDIA

Material will not burn. Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Nonflammable.

**Unusual Fire and Explosion Hazards:** Not applicable. Closed containers exposed to heat from fire may build pressure and explode.

No unusual fire or explosion hazards are anticipated. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

## 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. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. 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

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid breathing of vapors, mists or spray. Keep out of the reach of children. Avoid skin contact. Avoid eye contact.

### 7.2 STORAGE

Store under normal warehouse conditions.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use in a well-ventilated area. NOTE: When used as directed and diluted and dispensed with a COMPUBLEND (TM) Chemical Dispenser, special ventilation is not required.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Avoid eye contact. NOTE: When used as directed and diluted and dispensed with a COMPUBLEND (TM) Chemical Dispenser, eye contact with the concentrate is not expected to occur.

If the product is not used with the CompuBlend system or if there is an accidental release, the following eye protection is recommended: Indirect Vented Goggles.

#### 8.2.2 Skin Protection

Avoid skin contact. NOTE: When used as directed and diluted and dispensed with a COMPUBLEND (TM) Chemical Dispenser, skin contact with the concentrate is not expected to occur. 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.

If the product is not used with the CompuBlend system or if there is an accidental release, 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: Nitrile Rubber.

#### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. NOTE: When used as directed and diluted and dispensed with a COMPUBLEND (TM) Chemical Dispenser, respiratory protection is not required.

If the product is not used with the CompuBlend system or if there is an accidental release, select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges, Half facepiece or fullface air-purifying respirator with organic vapor cartridges and N95 particulate prefilters. Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.

**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**

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
ISOPROPYL ALCOHOL	ACGIH	TWA	200 ppm	Table A4
ISOPROPYL ALCOHOL	ACGIH	STEL	400 ppm	Table A4
ISOPROPYL ALCOHOL	OSHA	TWA	400 ppm	Table Z-1A
ISOPROPYL ALCOHOL	OSHA	STEL	500 ppm	Table Z-1A
METHYL ISOBUTYL KETONE	ACGIH	TWA	50 ppm	
METHYL ISOBUTYL KETONE	ACGIH	STEL	75 ppm	
METHYL ISOBUTYL KETONE	OSHA	TWA, Vacated	50 ppm	
METHYL ISOBUTYL KETONE	OSHA	STEL, Vacated	75 ppm	
METHYL ISOBUTYL KETONE	OSHA	TWA	100 ppm	Table Z-1

VAC Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

**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**

<b>Specific Physical Form:</b>	Liquid
<b>Odor, Color, Grade:</b>	Clear, colorless to light amber color, mild odor
<b>General Physical Form:</b>	Liquid
<b>Flash Point</b>	< 200 °F [ <i>Test Method:</i> Closed Cup]
<b>Boiling point</b>	212 °F
<b>Vapor Pressure</b>	<=16 psia [ <i>@ 131 °F</i> ]
<b>Specific Gravity</b>	Approximately 1 [ <i>Ref Std:</i> WATER=1]
<b>pH</b>	5 - 7
<b>Solubility in Water</b>	Complete
<b>Volatile Organic Compounds</b>	0.5 - 1.5 % [ <i>Test Method:</i> calculated per CARB title 2]
<b>VOC Less H2O &amp; Exempt Solvents</b>	20 - 150 g/l [ <i>Test Method:</i> calculated per CARB title 2]
<b>Viscosity</b>	<=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:** Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

### CHEMICAL FATE INFORMATION

A 3M Product Environmental Data Sheet (PED) is available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Discharge spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Reduce discharge rate if foaming occurs. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

**EPA Hazardous Waste Number (RCRA):** Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

**ID Number**  
61-5000-6961-4

**UPC**  
00-48011-14710-9

**ID Number**  
70-0706-5313-7

**UPC**  
00-48011-20485-7

Please contact the emergency numbers listed on the first page of the 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 - No

## STATE REGULATIONS

### CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

The components of this material are in compliance with the new chemical notification requirements for the Korean Existing Chemicals Inventory.

The components of this product are listed on the Australian Inventory of Chemical Substances.

The components of this product are listed on Japan's Chemical Substance Control Law List (also known as the Existing and New Chemical Substances List.)

All the components of this product are listed on China's Inventory of Chemical Substances.

The components of this product are in compliance with notification requirements in the Philippines.

The components of this product are listed on the Canadian Domestic Substances List.

## INTERNATIONAL REGULATIONS

**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: 2 Flammability: 1 Reactivity: 0 Special Hazards: None**

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: 2 Flammability: 1 Reactivity: 0 Protection: X - See PPE section.**

Hazardous Material Identification System (HMIS®) 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® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

### Revision Changes:

- Section 1: Product use information was modified.
- Section 16: NFPA hazard classification heading was modified.
- Section 16: HMIS hazard classification heading was modified.
- Section 16: NFPA hazard classification for health was modified.
- Section 16: NFPA hazard classification for flammability was modified.
- Section 16: HMIS hazard classification for health was modified.

Section 16: HMIS hazard classification for flammability was modified.  
Copyright was modified.  
Section 5: OSHA flammability data was modified.  
Section 8: Exposure guidelines data source legend was modified.  
Section 4: First aid for eye contact - medical assistance - was modified.  
Section 3: Potential effects from eye contact was modified.  
Section 3: Potential effects from inhalation information was modified.  
Section 3: Potential effects from ingestion information was modified.  
Section 5: Extinguishing media information was modified.  
Section 5: Fire fighting procedures information was modified.  
Section 5: Unusual fire and explosion hazard information was modified.  
Section 6: Release measures information was modified.  
Section 7: Handling information was modified.  
Section 8: Eye/face protection phrase was modified.  
Section 8: Skin protection phrase was modified.  
Section 13: Waste disposal method information was modified.  
Section 15: 311/312 hazard categories heading was modified.  
Section 4: First aid for skin contact - decontamination - was modified.  
Section 4: First aid for inhalation - termination of exposure - was modified.  
Section 4: First aid for inhalation - medical assistance - was modified.  
Section 10: Hazardous polymerization heading was modified.  
Section 2: Ingredient table was modified.  
Section 16: HMIS explanation was modified.  
Section 16: NFPA explanation was modified.  
Section 15: Inventories information was modified.  
Section 12: Ecotoxicological information heading was modified.  
Section 12: Chemical fate information heading was modified.  
Section 8: Exposure guidelines ingredient information was modified.  
Section 5: Flash point information was modified.  
Section 9: Property description for optional properties was modified.  
Section 16: NFPA hazard classification for special hazards was modified.  
Section 9: Flash point information was modified.  
Section 3: Immediate eye hazard(s) was added.  
Section 3: Immediate physical hazard(s) was added.  
Section 10: Hazardous decomposition or by-products phrase was added.  
Section 8: Skin protection - recommended gloves information was added.  
Section 8: Respiratory protection - recommended respirators information was added.  
Section 8: Skin protection - recommended gloves text was added.  
Section 8: Respiratory protection - recommended respirators was added.  
Section 8: Exposure guidelines legend was added.  
Sections 3 and 9: Specific physical form information was added.  
Sections 3 and 9: Specific physical form heading was added.  
Section 8: Respiratory protection - recommended respirators guide was added.  
Section 8: Skin protection - protective clothing text was added.  
Section 2: Ingredient phrase was added.  
Section 10: Hazardous decomposition heading was added.  
Section 8: Respiratory protection - recommended respirators punctuation was added.  
Section 8: Skin protection - recommended gloves - punctuation was added.  
Section 12: Ecotoxicological phrase was added.  
Section 12: Chemical Fate phrase was added.  
Section 5: Flammability note on stability and reactivity was deleted.  
Section 10: Hazardous decomposition or by-products heading was deleted.  
Section 10: Hazardous decomposition or by-products table was deleted.  
Section 15: TSCA section 12[b] text was deleted.  
Section 9: Density information was deleted.  
Section 9: Vapor density value was deleted.

Section 5: Flammable limits (UE) information was deleted.  
Section 5: Flammable limits (LEL) information was deleted.  
Section 5: Autoignition temperature information was deleted.  
Section 9: Melting point information was deleted.  
Section 9: Flammable limits (LEL) information was deleted.  
Section 9: Flammable limits (UEL) information was deleted.  
Section 9: Autoignition temperature information was deleted.  
Section 15: TSCA section 12[b] information was deleted.

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