

11/14/11



Material Safety Data Sheet

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: COMPUBLEND™ II BASE X
MANUFACTURER: 3M
DIVISION: Building & Commercial Services Division
ADDRESS: 3M Center, St. Paul, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)

Issue Date: 09/30/11
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Product Use:

Specific Use: 3M(TM) CompuBlend(TM) II Cleaning System Base Chemical
Intended Use: Hard Surface Cleaner

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
ALCOHOLS, C12-14, ETHOXYLATED PROPOXYLATED	68439-51-0	60 - 90
WATER	7732-18-5	3 - 7
POLYETHYLENE GLYCOL	25322-68-3	< 3
ALKYLDIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1	< 2
SECONDARY ALCOHOLS, C12-14	126950-60-5	< 2
POLY(PROPYLENE OXIDE) MONOALLYL ETHER	9042-19-7	< 2
POLYETHYLENE-POLYPROPYLENE GLYCOL MONOALLYL ETHER	9041-33-2	< 2
ETHYL ALCOHOL	64-17-5	0.1 - 1

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Liquid

Odor, Color, Grade: Clear dark blue color, mild odor

General Physical Form: Liquid

Immediate health, physical, and environmental hazards: 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.

Target Organ Effects:

NOTE: This product contains ethanol. There are data associating human consumption of alcoholic beverages (ethanol) with developmental toxicity. This is not an expected effect during the foreseeable use of this product.

NOTE: This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified as human carcinogens by the International Agency for Research on Cancer, the U.S. National Toxicology Program, and the California Environmental Protection Agency (for purposes of Proposition 65). Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer."

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 232 °F [Test Method: Closed Cup] [Details: ASTM D93]

OSHA Flammability Classification: Not Applicable

5.2 EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Nonflammable.

Unusual Fire and Explosion Hazards: Not applicable. No unusual fire or explosion hazards are anticipated.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard.

6.2. Environmental precautions

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Clean-up methods

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. 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 detergent and water.

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

Keep out of the reach of children. This product is not intended to be used without prior dilution as specified on the product label. Avoid breathing of vapors, mists or spray. Avoid skin contact. Avoid eye contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

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.

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 (TM) 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. Gloves not normally required.

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.

If the product is not used with the COMPUBLEND (TM) 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 is recommended: Butyl Rubber, Neoprene.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

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 (TM) 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 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>
ETHYL ALCOHOL	ACGIH	STEL	1000 ppm	
ETHYL ALCOHOL	OSHA	TWA	1900 mg/m3	
POLYETHYLENE GLYCOL	AIHA	TWA, as particulate	10 mg/m3	

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

Specific Physical Form:	Liquid
Odor, Color, Grade:	Clear dark blue color, mild odor
General Physical Form:	Liquid
Flash Point	232 °F [Test Method: Closed Cup] [Details: ASTM D93]
Boiling Point	212 °F

Vapor Pressure	< 16 psia [@ 131 °F]
Specific Gravity	Approximately 1 [Ref Std: WATER=1]
pH	Approximately 7
Solubility in Water	Complete
Volatile Organic Compounds	< 1 % weight [Test Method: calculated per CARB title 2]
Percent volatile	3 - 9 % weight
VOC Less H2O & Exempt Solvents	< 10.63 g/l [Test Method: calculated per CARB title 2]
Viscosity	Approximately 110 centipoise [@ 25 °C]

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:

10.1 Conditions to avoid

None known

10.2 Materials to avoid

None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

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

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Combustion products will include HCl. Facility must be capable of handling halogenated materials. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

EPA Hazardous Waste Number (RCRA): D018 (Benzene)

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

SECTION 14: TRANSPORT INFORMATION

ID Number
61-5000-6962-2

UPC
00-48011-14711-6

ID Number

UPC

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

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.

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 listed on the Canadian Domestic Substances List.

Contact 3M for more information.

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: 0 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 name was modified.
 Section 1: Product use information was modified.
 Section 8: Eye/face protection comment was modified.
 Section 8: Skin protection comment was modified.
 Section 16: NFPA hazard classification for flammability was modified.
 Section 16: Disclaimer (second paragraph) was modified.
 Section 3: Potential effects from skin contact information 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: Unusual fire and explosion hazard information was modified.
 Section 7: Handling information was modified.
 Section 8: Respiratory protection information was modified.
 Section 10: Hazardous decomposition or by-products table was modified.
 Section 13: Waste disposal method information was modified.
 Section 3: Carcinogenicity phrase was modified.
 Section 14: Transportation legal text was modified.
 Section 16: HMIS explanation was modified.
 Page Heading: Product name was modified.
 Section 15: 311/312 Delayed Hazard score was modified.
 Section 15: Inventories information was modified.
 Section 9: Vapor pressure value was modified.
 Section 9: Boiling point information was modified.
 Section 5: Flash point information was modified.
 Section 9: Property description for optional properties was modified.
 Section 9: Specific gravity information was modified.
 Section 9: pH information was modified.
 Section 9: Solubility in water text was modified.
 Section 9: Flash point information was modified.
 Section 14: ID Number(s) and/or UPC(s) Template 1 was modified.
 Section 2: Ingredient table was modified.
 Section 8: Exposure guidelines ingredient information was modified.
 Section 13: EPA hazardous waste number (RCRA) heading was added.
 Section 13: EPA hazardous waste number (RCRA) information was added.
 Section 6: 6.2. Environmental precautions heading was added.
 Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading was added.
 Section 10.1 Conditions to avoid heading was added.
 Section 10.2 Materials to avoid heading was added.
 Section 16: Web address was added.
 Section 6: Personal precautions information was added.
 Section 6: Environmental procedures information was added.
 Section 6: Methods for cleaning up information was added.
 Section 10: Materials to avoid physical property was added.
 Section 10: Conditions to avoid physical property was added.

Section 8: Hand protection information was added.
 Section 1: Address was added.
 Copyright was added.
 Company logo was added.
 Section 6: Clean-up methods heading was added.
 Telephone header was added.
 Company Telephone was added.
 Section 1: Emergency phone information was added.
 Section 1: Emergency phone information was deleted.
 Company Logo was deleted.
 Copyright was deleted.
 Section 16: Web address heading was deleted.
 Section 6: Release measures information was deleted.
 Section 6: Release measures heading was deleted.
 Section 10: Materials and conditions to avoid physical property was deleted.
 Section 3: Immediate other hazard(s) was deleted.
 Section 3: Other health effects information was deleted.
 Section 1: Address line 1 was deleted.
 Section 1: Address line 2 was deleted.
 Section 3: Other health effects information (reproductive hazards) was deleted.
 Section 3: Carcinogenicity table was deleted.
 Section 3: Carcinogenicity heading was deleted.

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