

SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CLIMASEAL/POLYMET 9700 Product Code: WRM-9700

Trade Name: CLIMASEAL/POLYMET 9700

Premium Products, Inc.
207 Wolf Street
Yorkville, Illinois 60560

Phone: 630-553-6160
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SECTION 2- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or *SKIN* contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness.

GHS Ratings:

Inhalation Toxicity	Acute Tox. 4	Gases>2500+<=20000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm ² /s at 40° C.

GHS Hazards

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H350	May cause cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see this label).
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water

P304+P340 *IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing*
 P305+P351+P338 *IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing*
 P308+P313 *IF exposed or concerned: Get medical advice/attention*
 P332+P313 *If skin irritation occurs: Get medical advice/attention*
 P337+P313 *If eye irritation persists: get medical advice/attention*
 P405 *Store locked up*
 P501 *Dispose of contents/container to an approved waste disposal plant.*

Signal Word: Warning



SECTION 3 - HAZARDOUS COMPONENTS

Chemical Name	CAS number	Weight Concentration %
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	10.00% - 20.00%
Hexamethoxymethylmelamine	68002-20-0	5.00% - 10.00%
Crystalline Silica Quartz	14808-60-7	5.00% - 10.00%
Trade Secret	N/A	1.00% - 5.00%
DIMETHYLETHANOLAMINE	108-01-0	1.00% - 5.00%
2-BUTANOL	78-92-2	1.00% - 5.00%
PETROLEUM NAPHTHA	64742-48-9	1.00% - 5.00%

(1) Lower Respiratory Tract Irritation, Pneumoconiosis, Neurotoxicity; Not classifiable as a human carcinogen; varies

SECTION 4 - FIRST AID

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
EYE CONTACT: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN CONTACT: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
INGESTION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 105 C (221 F)
 LEL:

UEL: 12.00

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Alcohol Foam.
UNUSUAL FIRE/EXPLOSION HAZARDS: During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

FIRE FIGHTING: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

SECTION 7 - HANDLING AND STORAGE

HANDLING PRECAUTIONS: Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	50 ppm 240 mg/m ³ (PEL) Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)	20ppm (TWA) Threshold Limit Values (01 2010) 200 mg/g (Creatinine in urine) BEL (01 2010)	Not Established
Hexamethoxymethylmelami ne 68002-20-0	Not Established	20 ppm TWA	Not Established
Crystalline Silica Quartz 14808-60-7	Not Established	Not Established	Not Established
Trade Secret N/A	TWA 15 mg/m ³ Table Z-1 Limits for Air Contaminants	TWA 1 mg/m ³ Threshold Limit Values (TLV)	Not Established
DIMETHYLETHANOLAMIN E 108-01-0	Not Established	Not Established	Not Established
2-BUTANOL 78-92-2	150 ppm TWA; 450 mg/m ³ TWA Table Z-1 Limits for Air Contaminants - The value in mg/m ³ is approximate	100 ppm TWA Threshold Limit Values (TLV) - Central Nervous System Impairment Upper Respiratory Tract Irritation	NIOSH 100 ppm 305 mg/m ³ TWA NIOSH 150 ppm 455 mg/m ³ ST
PETROLEUM NAPHTHA 64742-48-9	Not Established	200mg/m ³ TWA	Not Established

ENGINEERING CONTROLS: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

PROTECTIVE GEAR: Wear gloves which are recommended by glove supplier for protection against materials in Section 2. Wear safety spectacles with unperforated sideshields.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance Moderate viscosity liquid.</p> <p>Physical State Liquid.</p> <p>Boiling Range 0 to 189 °C</p> <p>% Volume Solids 47.1236</p> <p>% Volume Volatile 52.8765</p> <p>Lbs VOC/Gallon Less Water 2.98</p>	<p>Odor Odor characteristic of water based paints.</p> <p>Vapor Density 3.77</p> <p>% Weight Solids 60.2068</p> <p>% Weight Volatile 39.7932</p> <p>Specific Gravity (SG) 1.205</p>
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SECTION 10 - STABILITY AND REACTIVITY

STABILITY:

STABLE

CONDITIONS TO AVOID:

No data is listed for this property.

HAZARDOUS DECOMPOSITION PRODUCTS:

No data is listed for this property.

Hazardous polymerization will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Mixture Toxicity

Inhalation Toxicity LC50: 14mg/L

Component Toxicity

111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER Oral LD50: 1,400 mg/kg (Guinea Pig) Dermal LD50: 2,000 mg/kg (Rat) Inhalation LC50: 3
108-01-0	DIMETHYLETHANOLAMINE Oral LD50: 2,000 mg/kg (Rat) Dermal LD50: 1,370 mg/kg (Rabbit) Inhalation LC50: 3 mg/L
78-92-2	2-BUTANOL Oral LD50: 2,193 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rat)
64742-48-9	PETROLEUM NAPHTHA Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 3,000 mg/kg (Rabbit)

Inhalation	Skin Contact	Eye Contact	Ingestion	Blood	Eyes	Central Nervous System	Skin	Respiratory System
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Effects of Overexposure

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No data is listed for this property.

None generally recognized.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Component Ecotoxicity

**ETHYLENE GLYCOL
MONOBUTYL ETHER**

ACUTE HAZARDS TO THE AQUATIC ENVIRONMENT:

FISH

Product: LC-50 (Oncorhynchus mykiss, 96 h): 1,474 mg/l

AQUATIC INVERTEBRATES

Product: EC-50 (Water Flea, 48 h): 1,550 mg/l

CHRONIC HAZARDS TO THE AQUATIC ENVIRONMENT:

FISH

Product: NOEC (Zebra Fish, 21 d): > 100 mg/l

AQUATIC INVERTEBRATES

Product: NOEC (daphnid, 21 d): 100 mg/l

TOXICITY TO AQUATIC PLANTS

Product: EC-50 (Algae (Pseudokirchneriella subcapitata), 72 H): 1,840 mg/l

PERSISTENCE AND DEGRADABILITY

BIODEGRADATION

Product: 90.4 % (28 d) Readily biodegradable

BOD/COD RATIO

Product: No data available

BIOACCUMULATIVE POTENTIAL

BIOCONCENTRATION FACTOR (BCF)

Product: Potential to bioaccumulate is low.

PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW)

Product: Log Kow: 0.81 20 deg C

MOBILITY IN SOIL: *Expected to partition to water.*

OTHER ADVERSE EFFECTS: *No data available.*

NOT AVAILABLE

ECOTOXICITY: *Avoid contaminating waterways*

Hexamethoxymethylmelamine

Crystalline Silica Quartz

Trade Secret

TOXICITY

Toxicity to fish: LC50 - *Oncorhynchus mykiss* (rainbow trout) - 0.12 mg/l - 96 h;
mortality LOEC - *Ctenopharyngodon idella* - 0.1 mg/l - 96 h

PERSISTENCE AND DEGRADABILITY

Biodegradability: Result - Readily biodegradable

BIOACCUMULATIVE POTENTIAL

Bioaccumulation: *Salvelinus fontinalis* - 56 d - 268 ug/l
Bioconcentration Factor (BCF): 36

MOBILITY IN SOIL

No data available

RESULTS OF PBT AND vPvB ASSESSMENT

PBT AND vPvB assessment not available as chemical safety assessment not required/not conducted

OTHER ADVERSE EFFECTS

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

DIMETHYLETHANOLAMINE

TOXICITY

AQUATIC TOXICITY: No further relevant information available

PERSISTENCE AND DEGRADABILITY: No further relevant information available

BIOACCUMULATIVE POTENTIAL: No further relevant information available

MOBILITY IN SOIL: No further relevant information available

GENERAL NOTES: Water hazard class 1 (Assessment by list): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized

RESULTS OF PBT AND vPvB ASSESSMENT:

PBT: Not applicable.

vPvB: Not applicable

OTHER ADVERSE EFFECTS: No further relevant information available.

2-BUTANOL

TOXICITY

Toxicity to Fish: LC50 - *Pimephales promelas* (fathead minnow) - 3670 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates - EC50 - *Daphnia magna* (Water flea) - 4227 mg/l - 48 h

EC100 - *Daphnia magna* (Water flea) - 5000 mg/l - 24 h

PERSISTENCE AND DEGRADABILITY - no data available

BIOACCUMULATIVE POTENTIAL - no data available

MOBILITY IN SOIL - no data available

PBT AND vPvB ASSESSMENT - no data available

OTHER ADVERSE EFFECTS - no data available

PETROLEUM NAPHTHA

TOXICITY:

AQUATIC TOXICITY: No further relevant information available

PERSISTENCE AND DEGRADABILITY: No further relevant information available

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

BIOACCUMULATIVE POTENTIAL: No further relevant information available

MOBILITY IN SOIL: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

GENERAL NOTES: Water hazard class 2 (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

RESULTS OF PBT AND vPvB ASSESSMENT:

PBT: Not applicable

vPvB: Not applicable

OTHER ADVERSE EFFECTS: No further relevant information available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method

Waste from this product is not RCRA hazardous as defined by the Resource Conservation and Recovery Act 40CFR 261. Dispose of in accordance with Federal, State/Provincial, and Local regulations.

SECTION 14 - TRANSPORT INFORMATION

All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
	No data is listed for this property.			

SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

78-92-2 2-BUTANOL 1.0 - 5%

14808-60-7 Crystalline Silica Quartz 5 - 10%

Trade Secret 1.0 - 5%

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations part 372:

78-92-2 2-BUTANOL 1.0 - 5%

111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER 10 - 20%

1314-13-2 Zinc Oxide 1.0 - 5%

108-01-0 DIMETHYLETHANOLAMINE 1.0 - 5%

Trade Secret 1.0 - 5%

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	1

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

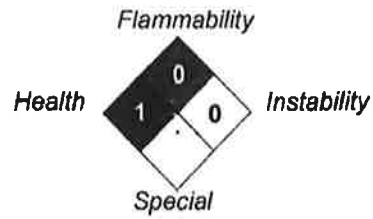
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

Reviewer Revision

Date Prepared: 10/23/2015