

# SDS Safety Data Sheet



PPG 2000

MSDS Number: For Sample Use Only

Revision Date: 9/16/2014

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1	PRODUCT AND COMPANY IDENTIFICATION
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**Manufacturer**

Advanced Polymer Technology  
P.O. Box 160  
109 Conica Lane  
Harmony, PA 16037

Contact: Senior Chemist  
Phone: 724-452-1330  
Fax: 724-452-1703  
Email: info@advpolytech.com  
Web: www.advpolytech.com

Product Name: PPG 2000  
Revision Date: 9/16/2014  
MSDS Number: For Sample Use Only

Transportation emergency phone number: ChemTel Inc. (800)255-3924, +1 (813)248-0585

2	HAZARDS IDENTIFICATION
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Classification of the substance or mixture  
Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements  
Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

3	COMPOSITION/INFORMATION ON INGREDIENTS
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**Ingredients:**

Cas #	Percentage	Chemical Name
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25322-69-4	90-100%	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-
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4	FIRST AID MEASURES
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## Description of first aid measures

### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

### In case of skin contact

Wash off with soap and plenty of water.

### In case of eye contact

Flush eyes with water as a precaution.

### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### Indication of any immediate medical attention and special treatment needed

no data available

5	FIRE FIGHTING MEASURES
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Flash Point: 229.44 °C (444.99 °F)

Flash Point Method: Closed cup

## Extinguishing media

### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special hazards arising from the substance or mixture

Carbon oxides

### Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

no data available

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6	ACCIDENTAL RELEASE MEASURES
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Personal precautions, protective equipment and emergency procedures  
Avoid breathing vapours, mist or gas.  
For personal protection see section 8.

Environmental precautions  
Do not let product enter drains.

Methods and materials for containment and cleaning up  
Keep in suitable, closed containers for disposal.

Reference to other sections  
For disposal see section 13.

7	HANDLING AND STORAGE
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Handling Precautions:           Precautions for safe handling  
  Ensure good ventilation/exhaustion at the workplace.  
  Prevent formation of aerosols.  
  Information about fire - and explosion protection:  
  Keep ignition sources away - Do not smoke.  
  Keep respiratory protective device available.

Storage Requirements:        Keep container tightly closed in a dry and well-ventilated place.

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8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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**Engineering Controls:** Educate and train employees in safe use of this product. Follow all label instruction. Local exhaust should be used to maintain levels below the TLV whenever this product is processed, heated or spray applied. For spray applications, an air-supplied respirator must be worn. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

**Personal Protective Equip:** General protective and hygienic measures:  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

Respiratory protection: Not required under normal conditions of use.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

Neoprene gloves

Eye protection:

Safety glasses

Body protection: Protective work clothing

Limitation and supervision of exposure into the environment

No further relevant information available.

Risk management measures

See Section 7 for additional information.

No further relevant information available.

Polypropylene glycol 25322-69-4 TWA 10 mg/m3 USA. Workplace Environmental Exposure Levels (WEEL)

9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance:	Clear Liquid	Freezing/Melting Pt.:	< -150 °C (< -238 °F) - OECD Test Guidelin
Physical State:	Liquid	Flash Point:	229.44 °C (444.99 °F) - closed cup
Boiling Point:	287.6 °C (549.7 °F) - OECD Test Guideline		

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10	STABILITY AND REACTIVITY
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Stability:	No data available
Conditions to Avoid:	No data available
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition:	Other decomposition products - no data available In the event of fire: see section 5
Hazardous Polymerization:	Will not occur.

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11	TOXICOLOGICAL INFORMATION
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## Acute toxicity

LD50 Oral - rat - > 2,000 mg/kg

Inhalation: no data available

LD50 Dermal - rabbit - male - > 3,000 mg/kg

(OECD Test Guideline 402)

no data available

## Skin corrosion/irritation

Skin - rabbit

Result: No skin irritation - 24 h

## Serious eye damage/eye irritation

Eyes - rabbit

Result: No eye irritation

(Directive 67/548/EEC, Annex V, B.5.)

## Serious eye damage/eye irritation

Eyes - rabbit

Result: No eye irritation

(Directive 67/548/EEC, Annex V, B.5.)

## Respiratory or skin sensitisation

in vivo assay - mouse

Result: Does not cause skin sensitisation.

(OECD Test Guideline 429)

## Germ cell mutagenicity

Ames test

S. typhimurium

Result: negative

## Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## Reproductive toxicity

no data available

no data available

## Specific target organ toxicity - single exposure

no data available

## Specific target organ toxicity - repeated exposure

no data available

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Aspiration hazard  
no data available

Additional Information  
RTECS: TR5250000

12	ECOLOGICAL INFORMATION
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Toxicity to fish static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h  
(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates  
static test EC50 - Daphnia magna (Water flea) - 105.8 mg/l - 48 h  
(OECD Test Guideline 202)

Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h  
(OECD Test Guideline 201)

Toxicity to bacteria EC50 - Sludge Treatment - > 1,000 mg/l - 3 h  
(OECD Test Guideline 209)

Persistence and degradability  
Biodegradability aerobic - Exposure time 28 d  
Result: 86.6 % - Readily biodegradable.  
(OECD Test Guideline 301F)

Bioaccumulative potential  
no data available

Mobility in soil  
no data available

Results of PBT and vPvB assessment  
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects  
no data available

13	DISPOSAL CONSIDERATIONS
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Recommendation  
Smaller quantities can be disposed of with household waste.  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Uncleaned packaging:  
Recommendation: Disposal must be made according to official regulations.  
Recommended cleansing agents: Water, if necessary together with cleansing agents.

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14	TRANSPORT INFORMATION
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UN-Number DOT, ADR, ADN, IMDG, IATA	N/A
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	N/A
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	N/A
Packing group DOT, ADR, IMDG, IATA	N/A
Marine pollutant	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation"	---

15	REGULATORY INFORMATION
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COMPONENT / (CAS/PERC) / CODES

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\*Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- (25322694 90-100%) TSCA

REGULATORY KEY DESCRIPTIONS

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TSCA = Toxic Substances Control Act

16	OTHER INFORMATION
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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.