

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 05.07.2015

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Polychem PC36

SECTION 1 : Identification of the substance/mixture and of the supplier

1.1 Product name :

Polychem PC36

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number:

PC 36

1.2 Recommended uses of the product and restrictions on use: Water Soluble Cleaner Concentrate

1.3 Manufacturer Details:

US Polychem Corp.
584 Chestnut Ridge Road-
Chestnut Ridge, NY 10977
845-356-5530 (Information)

1.4 Emergency telephone number

Chemtrec 800-424-9300

SECTION 2 : Hazards identification

2.1 Classification of the substance or mixture:



Irritant

Skin irritation, category 2

Eye irritation, category 2A

Skin Irritant2

Eye Irritant2

Signal word: Warning

Hazard statements:

Causes skin irritation

Causes serious eye irritation

Precautionary statements:

If medical advice is needed, have product container or label at hand

Read label before use

Wash skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

IF ON SKIN: Wash with soap and water

Specific treatment (see supplemental first aid instructions on this label)

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing

If eye irritation persists get medical advice/attention

Other Non-GHS Classification:

WHMIS

D2B



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NFPA/HMIS



NFPA SCALE (0-4)

Health	1
Flammability	1
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

SECTION 3 : Composition/information on ingredients

Ingredients:

CAS 111-76-2	Ethylene Glycol Monobutyl Ether	15-25%
CAS 68439-46-3	Alcohols, C9-C11, Ethoxylated	1 %

Percentages are by weight

SECTION 4 : First aid measures

4.1 Description of first aid measures

After inhalation: Loosen clothing as necessary and position individual in a comfortable position.

Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.

After skin contact: Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.

After eye contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned. Keep eyelids open while rinsing.

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation, discomfort, or vomiting persists. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

Irritation. Headache. Nausea. Shortness of breath.;

4.3 Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5 : Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents:

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters:

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Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to Section 8. Use NIOSH-approved respiratory protection/breathing apparatus.

Additional information (precautions): Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

SECTION 6 : Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Ensure that air-handling systems are operational.

6.2 Environmental precautions:

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

6.2 Methods and material for containment and cleaning up:

Always obey local regulations. Containerize for disposal. Refer to Section 13. Wear protective eyewear, gloves, and clothing. Refer to Section 8. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

Reference to other sections:

SECTION 7 : Handling and storage

7.1 Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8 : Exposure controls/personal protection



Control Parameters:

111-76-2, Ethylene Glycol Monobutyl Ether, TWA 20.000000 ppm USA.
ACGIH Threshold Limit Values (TLV)
111-76-2, Ethylene Glycol Monobutyl Ether, TWA 5.000000 ppm NIOSH
Recommended Exposure Limits

Appropriate Engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Respiratory protection:

Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

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Protection of skin: Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.

Eye protection: Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection.

General hygienic measures: Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.

SECTION 9 : Physical and chemical properties

Appearance (physical)	Clear, colorless liquid	Explosion limit lower:	Not Determined
		Explosion limit upper:	Not Determined
Odor:	Mild	Vapor pressure:	Not Determined
Odor threshold:	Not Determined	Vapor density:	Not Determined
pH-value:	Not Determined	Relative density:	0.97 g/cm ³
Melting/Freezing point:	Not determined	Solubilities:	Material is water soluble.
Boiling point/Boiling range:	216F	Partition coefficient (n-octanol/water):	Not Determined
Flash point (closed cup):	177F	Auto/Self-ignition temperature:	Not Determined
Evaporation rate:	Not Determined	Decomposition temperature:	Not Determined
Flammability (solid,gaseous)	Not Determined	Viscosity:	a. Kinematic: Not Determined b. Dynamic: Not Determined
Density: Not Determined			

SECTION 10 : Stability and reactivity

- 10.1 **Reactivity:** Nonreactive under normal conditions.
- 10.2 **Chemical stability:** Stable under normal conditions.
- 10.3 **Possible hazardous reactions:** None under normal processing.
- 10.4 **Conditions to avoid:** Incompatible materials.
- 10.5 **Incompatible materials:**
- 10.6 **Hazardous decomposition products:**

SECTION 11 : Toxicological information

Acute Toxicity:		
Oral:	111-76-2	LD50 Rat - 470 mg/kg
Inhalation:	111-76-2	LC50 Rat - 4 h - 450 ppm

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Chronic Toxicity: No additional information.

Corrosion Irritation: No additional information.

Sensitization: No additional information.

Single Target Organ (STOT): No additional information.

Numerical Measures: No additional information.

Carcinogenicity: No additional information.

Mutagenicity: No additional information.

Reproductive Toxicity: No additional information.

SECTION 12 : Ecological information

12.1 Ecotoxicity

Toxicity to fish LC50 - other fish - 220 mg/l - 96 h: 111-76-2

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h: 111-76-2

12.2 Persistence and degradability: No information available.

12.3 Bioaccumulative potential: No information available.

12.4 Mobility in soil: No information available.

12.5 Other adverse effects: No information available.

SECTION 13 : Disposal considerations

13.1 Waste disposal recommendations:

Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification.

SECTION 14 : Transport information

Exempt Combustible Liquid via ground transportation per 49 CFR 173.150(f)

14.1 UN-Number

1993

14.2 UN proper shipping name

Combustible Liquid, n.o.s. (Ethylene Glycol Monobutyl Ether)

14.3 Transport hazard class(es)

14.4 Packing group:III

14.5 Environmental hazard:

14.6 Transport in bulk:

14.7 Special precautions for user:

SECTION 15 : Regulatory information

15.1 United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

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Acute, Chronic, Fire

SARA Section 313 (Specific toxic chemical listings):

111-76-2 Ethylene Glycol Monobutyl Ether

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

15.2 Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients is listed

SECTION 16 : Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond

our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

GHS Full Text Phrases:

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA)

RCRA: Resource Conservation and Recovery Act (USA)

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TSCA: Toxic Substances Control Act (USA)
NPRI: National Pollutant Release Inventory (Canada)
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)

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