

# Material Safety Data Sheet



PRODUCT NAME: PEG 300 (POLYETHYLENE GLYCOL 300)

## CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: PEG 300 (POLYETHYLENE GLYCOL 300)  
CAS #: 25322-68-3  
DATE: May 8, 2013

DISTRIBUTOR: ACME-HARDESTY COMPANY  
ADDRESS: 450 Sentry Parkway  
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834  
FAX: (215) 591 – 3620  
EMERGENCY: CHEMTREC (800) 424-9300

## COMPOSITION / INFORMATION ON INGREDIENTS

CAS#: 25322-68-3  
EINECS NO.: 203-473-3  
CHEMICAL FORMULA: HO (CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>H  
CHEMICAL: Polymer of Ethylene Oxide

## HAZARDS IDENTIFICATION

Not classified as dangerous according to EEC Dangerous Substance Directive and Dangerous Preparation Directive

## FIRST AID MEASURES

SKIN CONTACT: Wash with plenty of water  
EYE CONTACT: Rinse with plenty of water  
INGESTION: Make victim drink plenty of water, induce vomiting, treat symptomatically.  
Take medical advice immediately.  
INHALATION: Affected person should be moved to fresh air and made to rest.

## FIRE FIGHTING MEASURES

FLASH POINT: > 200°C  
SUITABLE EXTINGUISHING MEDIA: Water, CO<sub>2</sub>, foam, powder  
SPECIAL RISK: Combustible  
Development of hazardous combustion gases or vapors possible in the event of fire  
Take measures to prevent electrostatic charging

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### ACCIDENTAL RELEASE MEASURES

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**PERSONAL PRECAUTIONARY MEASURES:** Do not inhale vapors/ aerosols  
Avoid substance contact.

**ENVIRONMENTAL PRECAUTIONS:** Prevent discharge of larger quantities to drain or water courses

**CLEANING / ABSORPTION PROCEDURE:** Take up with liquid-absorbent material (e.g. sawdust, sand, clay, etc.)  
Forward for disposal  
Clean up affected area with water

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### HANDLING AND STORAGE

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**HANDLING:** No special precaution except the standard safety equipment like goggles and gloves

**STORAGE:** Store in a cool and well ventilated place  
Keep container tightly close

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### EXPOSURE CONTROLS / PERSONAL PROTECTION

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**PERSONAL PROTECTIVE EQUIPMENT:**

**RESPIRATORY PROTECTION:** Required when vapors  
**HAND PROTECTION:** Gloves  
**BODY PROTECTION:** N/A  
**EYE PROTECTION:** Safety goggles

**INDUSTRIAL HYGIENE:** Change contaminated clothing  
Application of skin protective barrier cream recommended  
Wash hand after working with substance  
Avoid the containers in open condition

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### PHYSICAL AND CHEMICAL PROPERTIES

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**FORM:** Liquid  
**COLOR:** Colorless  
**ODOR:** Characteristic  
**FLASH POINT, °C:** > 200  
**VISCOSITY @ 99°C, cSt:** 5.4 – 6.3  
**pH (1% aq. sol.):** 5 – 6  
**SOLUBILITY IN WATER:** Soluble in water and insoluble in aliphatic hydrocarbon

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### STABILITY AND REACTIVITY

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**CHEMICAL STABILITY:** Normally stable

**REACTIVITY:** Does not react at ambient temperature

**COMPATIBILITY WITH OTHER CHEMICALS:** All polar solvents

**HAZARDOUS REACTION PRODUCTS:** No hazardous products known

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TOXICOLOGICAL INFORMATION

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HEALTH EFFECTS:

RESPIRATORY:	Not likely to occur
SKIN:	Prolonged or frequent contact may give transient redness and skin cracking
EYES:	Slightly irritating
INGESTION:	Low acute toxicity

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ECOLOGICAL INFORMATION

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COMPONENT: Polyethylene glycol

ECO-TOXICOLOGICAL DATA: It has no or little oral toxicity.  
In larger quantities may cause poisoning.  
It may cause Conjunctivitis, it does not inflame skin and it is not carcinogenic

LD<sub>50</sub> (gm/kg)

ACUTE ORAL TOXICITY: Rat 34 mg/kg

DEGRADATION: Readily biodegradable

BIO-ACCUMULATION: No bio-accumulation is exposed  
Biodegradable  
Water soluble

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DISPOSAL CONSIDERATIONS

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Clean up with inert substance like sand.  
Dispose this off as per the local regulations.  
Do not discharge in sewer system.  
Disposal should be in accordance with local, state or national legislation

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TRANSPORT INFORMATION

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Not any specific requirement.  
It is not dangerous goods according to international transport regulations.

REGULATORY INFORMATION

SUBSTANCE NAME: PEG 300 (Polyethylene Glycol)

EU DIRECTIVE: Safety Data sheet According to EC-directive 2001/58/EC

OTHER INFORMATION: Not classified as dangerous according to EEC Dangerous Substances Directive and Dangerous Preparation Directive

ADDITIONAL INFORMATION

**HMIS Ratings:** Health:  
Flammability:  
Reactivity:

**NFPA Rating:** Health:  
Flammability:  
Reactivity:  
Other:

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Disposal of containers must comply with applicable federal, state and local laws and regulations. Empty containers should never be given to individuals.