

Material Safety Data Sheet



PRODUCT NAME: PEG 400 (POLYETHYLENE GLYCOL 400)

CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

TRADE NAME: PEG 400 (POLYETHYLENE GLYCOL 400)
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 (CH₂CH₂O)_nH
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: > 245°C
SUITABLE EXTINGUISHING MEDIA: Water, CO₂, foam, powder
SPECIAL RISK: Combustible
Development of hazardous combustion gases or vapors possible in the event of fire
Take measures to prevent electrostatic charging

ACCIDENTAL RELEASE MEASURES

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

HANDLING AND STORAGE

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

EXPOSURE CONTROLS / PERSONAL PROTECTION

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

PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Colorless
ODOR:	Characteristic
BOILING POINT, °C:	> 250
FLASH POINT, °C:	> 245
SPECIFIC GRAVITY @ 20°C:	~1.13
VISCOSITY @ 99°C, cSt:	6.9 – 8.0
pH (5% aq. sol.):	4.5 – 7.5
SOLUBILITY IN WATER:	Soluble in water and insoluble in aliphatic hydrocarbon
IGNITION TEMPERATURE, °C:	~ 380

STABILITY AND REACTIVITY

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

TOXICOLOGICAL INFORMATION

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

ECOLOGICAL INFORMATION

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

LD₅₀ (gm/kg)

ACUTE ORAL TOXICITY: Rabbit 26800 mg/kg

DEGRADATION: Readily biodegradable

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

DISPOSAL CONSIDERATIONS

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

TRANSPORT INFORMATION

Not any specific requirement.

It is not dangerous goods according to international transport regulations.

REGULATORY INFORMATION

SUBSTANCE NAME: PEG 400 (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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Users must make their own determination that handling, storage and use of the product in the anticipated manner is safe and appropriate. Because these actions of the user are out of our control, and may be beyond our knowledge, we do not assume responsibility and expressly disclaim liability for loss, damage, expense or any other claim arising out of or in any way connected with the handling, storage, use or disposal of the product.

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