

# SAFETY DATA SHEET

## Prep Step

Date Prepared: May 15, 2014

Date Revised: June 24, 2015

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Company Identification:** Wayne Concept  
5005 Speedway Drive  
Fort Wayne, IN 46825  
Phone: (260)482-8615

**24 Hour Emergency Telephone Number:** INFOTRAC: (800)535-5053

**Product Name:** Prep Step

**SDS#:** 884

**Product Use:** Detergent mixture

### 2. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW:

**Color:** Clear

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Pleasant fragrance



**Signal Word:** **WARNING**

**GHS Classification:** Acute Toxicity (oral); Category 4  
Acute Toxicity (dermal); Category 3  
Serious Eye Damage/Irritation; Category 2A

**MAJOR HEALTH HAZARDS:** Eye and skin irritant. Avoid contact with skin and eyes. Harmful if swallowed.

**PRECAUTIONARY STATEMENTS:** Keep only in original container. Wear protective gloves, protective clothing, eye, and face protection. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

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#### POTENTIAL HEALTH EFFECTS:

##### ACUTE:

**Inhalation:** Vapors may irritate respiratory tract and mucous membranes.

**Skin contact:** Prolonged exposure may cause irritation and redness.

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**Eye contact:** Severe eye irritation.

**Ingestion:** May cause irritation to the gastrointestinal tract, nausea, vomiting and diarrhea.

**CHRONIC:**

**Eye contact:** Possible corneal burns.

**Inhalation:** Prolonged and repeated exposure to high concentrations of vapors may cause damage to central nervous system, lungs and kidneys.

**Ingestion:** May cause CNS depression and damage to gastrointestinal tract, liver and kidneys.

**Conditions aggravated by overexposure:** Pre-existing dermatitis, liver, kidney and pulmonary disorders.

See Section 11: TOXICOLOGICAL INFORMATION

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Component	%	CAS Number
Triphosphoric acid, sodium salt	1 - 5	7758-29-4
Alcohols, C9-11, ethoxylated	1 – 5	68439-46-3
Alkylated naphthalene sulfonate, sodium salt	1 – 5	None
Ethylene glycol monobutyl ether	1 – 5	111-76-2
Propylene glycol monomethyl ether	1 – 5	107-98-2
Diethylene glycol monobutyl ether	5 – 10	112-34-5

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### 4. FIRST AID MEASURES

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**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person administer Basic Life Support (Cardio-Pulmonary Resuscitation and/or Automatic External Defibrillator) and CALL FOR EMERGENCY SERVICES IMMEDIATELY.

**SKIN CONTACT:** Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing and shoes before reuse. GET MEDICAL ATTENTION IMMEDIATELY.

**EYE CONTACT:** Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Washing eyes within several seconds is essential to achieve maximum effectiveness. GET MEDICAL ATTENTION IMMEDIATELY.

**INGESTION:** Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. GET MEDICAL ATTENTION IMMEDIATELY.

**Notes to Physician:** The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage.

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## 5. FIRE-FIGHTING MEASURES

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**Fire Hazard:** Negligible fire hazard.

**Extinguishing Media:** Use media appropriate for surrounding fire.

**Fire Fighting:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

**Sensitivity to Mechanical Impact:** Not sensitive.

**Sensitivity to Static Discharge:** Not sensitive.

**Flash point:** 137°F

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## 6. ACCIDENTAL RELEASE MEASURES

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**Occupational Release:** Shovel dry material into suitable container. Flush spill area with water, if appropriate. Liquid material may be removed with a vacuum truck. Wet material is slippery under foot. Keep out of water supplies and sewers. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies. Wear appropriate personal protective equipment recommended.

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## 7. HANDLING AND STORAGE

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**Storage Conditions:** Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances.

**Handling Procedures:** Avoid creation of mist. Avoid breathing mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Recommended Exposure Limit(s):** As listed below

**Ethylene glycol monobutyl ether:** 20 ppm TWA (ACGIH); 5 ppm REL (NIOSH); 24 mg/m<sup>3</sup> REL (NIOSH); 50 ppm PEL (OSHA); 240 mg/m<sup>3</sup> PEL (OSHA)

**Propylene glycol monomethyl ether:** 100 ppm TWA (ACGIH & OSHA); 150 ppm STEL (ACGIH & OSHA)

**Triphosphoric acid, sodium salt:** 10 mg/m<sup>3</sup> TWA (ACGIH)

**ENGINEERING CONTROLS:** Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

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### PERSONAL PROTECTIVE EQUIPMENT:

**Eye Protection:** Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant safety goggles. When wet mixing, wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

**Skin and Body Protection:** Wear protective clothing to minimize skin contact. When potential for contact with wet material exists, wear Tychem® or similar chemical protective suit. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek®.

**Hand Protection:** Wear appropriate chemical resistant gloves.

**Protective Material Types:** Butyl rubber, Natural rubber, Neoprene, Nitrile, Tychem®, Tyvek®

**Respiratory Protection:** A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Clear
<b>Color:</b>	Clear
<b>Odor:</b>	Pleasant fragrance
<b>Vapor Density (air=1):</b>	>1
<b>Boiling Point/Range:</b>	200°F
<b>Melting Point/Range:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined
<b>Specific Gravity (water=1):</b>	1.027 ±0.005
<b>Density:</b>	8.542 lbs./gal.
<b>Water Solubility:</b>	Complete
<b>pH:</b>	9 ±0.5
<b>VOC:</b>	Not determined
<b>Flash point:</b>	137°F

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## 10. STABILITY AND REACTIVITY

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**Reactivity/ Stability:** Stable at normal temperatures and pressures. Prolonged contact with incompatible metals may produce flammable hydrogen gas.

**Conditions to Avoid:** Contact with acids will cause evolution of heat. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

**Incompatibilities/ Materials to Avoid:** Strong oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide, sulfur dioxide and sodium sulfide.

**Hazardous Polymerization:** Will not occur

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## 11. TOXICOLOGICAL INFORMATION

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**IRRITATION DATA:**

**Sodium metasilicate:** 250 mg/24 hour(s) skin-human severe; 250 mg/24 hour(s) skin-rabbit severe; 250 mg/24 hour(s) skin-guinea pig moderate

**TOXICITY DATA:**

Component	LD50 Oral:	LC50 Inhalation:	LD50 Dermal:
Alcohols, C9-11, ethoxylated	1378 mg/kg (Rat)	-----	>5000 mg/kg (Rat)
Triphosphoric acid, sodium salt	TDL <sub>o</sub> : 2730 mg/kg (Rat)	-----	-----
Ethylene glycol monobutyl ether	1.2 g/kg (Guinea pig)	>633 ppm; 1h (Guinea pig)	400-500 mg/kg (Rabbit)
Glycol Ether PM	5660 mg/kg (Rat)	-----	13 g/kg (Rabbit)
Clycol Ether DB	2406 mg/kg (Mouse)	-----	2764 mg/kg (Rabbit)

**CHRONIC TOXICITY:**

**CARCINOGENICITY:** Contains no known carcinogens.

**MUTAGENIC DATA:** Contains no known mutagenic components.

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## 12. ECOLOGICAL INFORMATION

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**ECOTOXICITY DATA:****Component:**

Alcohols, C9-11, ethoxylated: LC50 *Rainbow Trout*; 1 – 10 mg/l 96 hour  
 LC50 *Fathead minnow*; 6 mg/l 96 hour  
 EC50 *Daphnia*; 1 – 10 mg/l 48 hour  
 EC50 *Skeletonema costatum*; 1 – 10 mg/l 72 hour  
 EC50 *Nitrifying bacteria*; 410 mg/l 4 hour

Glycol ether DB: LC50 *Silverside minnow*; 2000 mg/l 96 hour  
 LC50 *Bluegill*; 1300 mg/l 96 hour

**FATE AND TRANSPORT:**

**BIODEGRADATION:** This material is inorganic and not subject to biodegradation.

**BIOCONCENTRATION:** This material is not expected to bioconcentrate in organisms.

**ADDITIONAL ECOLOGICAL INFORMATION:** This material has exhibited slight toxicity to terrestrial organisms.

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### 13. DISPOSAL CONSIDERATIONS

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Reuse or recycle if possible. Dispose in accordance with all applicable regulations. May be subject to disposal regulations: U.S. EPA 40 CFR 261. Hazardous Waste Number(s): D002 (Corrosive).

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### 14. TRANSPORT INFORMATION

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**DOT/IMDG/IATA Hazard Classification:** Non-Hazardous, not regulated  
**Hazardous:** N  
**Shipping Name:** LIQUID CLEANING COMPOUNDS  
**Freight Class:** 55

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### 15. REGULATORY INFORMATION

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#### U.S. REGULATIONS

- **OSHA REGULATORY STATUS:**  
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
  - **CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):**  
  
**Component:** Triphosphoric acid, sodium salt    7758-29-4    5000 lb final RQ
  - **EPCRA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30):**  
Not regulated
  - **EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):**  
Acute Health Hazard
  - **EPCRA SECTION 313 (40 CFR 372.65):**  
Ethylene glycol monobutyl ether    111-76-2  
Diethylene glycol monobutyl ether    112-34-5
  - **OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):** Not regulated
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### NATIONAL INVENTORY STATUS

- **U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):** All components are listed or exempt
- **TSCA 12(b):** This product is not subject to export notification
- **Canadian Chemical Inventory:** All components of this product are listed on either the DSL or the NDSL

### STATE REGULATIONS

**California Proposition 65:** This product is not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

Components	
California Proposition 65 Cancer WARNING:	Not Listed
California Proposition 65 CRT List - Male reproductive toxin:	Not Listed
California Proposition 65 CRT List - Female reproductive toxin:	Not Listed
Massachusetts Right to Know Hazardous Substance List	Not Listed
New Jersey Right to Know Hazardous Substance List	Ethylene glycol monobutyl ether
New Jersey Special Health Hazards Substance List	Not Listed
New Jersey - Environmental Hazardous Substance List	Not Listed
Pennsylvania Right to Know Hazardous Substance List	Ethylene glycol monobutyl ether
Pennsylvania Right to Know Special Hazardous Substances	Not Listed
Pennsylvania Right to Know Environmental Hazard List	Not Listed
Rhode Island Right to Know Hazardous Substance List	Not Listed

### CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

### WHMIS Classifications of Substances:

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## 16. OTHER INFORMATION

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HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health: 2                      Flammability: 0                      Reactivity: 0  
Personal Protection: B

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)

Health: 2                      Flammability: 0                      Reactivity: 0

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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees.

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**End of Safety Data Sheet**