

SAFETY DATA SHEET

PRECISION LABORATORIES, LLC

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Vertex™
Supplier:	PRECISION LABORATORIES, LLC 1429 S. SHIELDS DRIVE WAUKEGAN, IL 60085
Product Use:	Nonionic Surfactant
Emergency telephone number:	(Chemtrec Information 24 hours) (800) 424-9300
Customer Service, call:	(847) 596-3001

2. HAZARDS IDENTIFICATION

GHS Classification:

Acute Toxicity, Category 4 (oral), H302

Eye Damage, Category 1, H318

Aquatic Hazard (Chronic), Category 2, H411



H302



H318



H411

Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash protective equipment and work clothes thoroughly after handling.

H270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P280: Wear protective gloves and eye protection.

Response

P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/ or Chemtrec if person feels unwell.

P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P310: Immediately call a POISON CENTER/doctor or Chemtrec.

P330: Rinse mouth.

P391: Collect spillage.

Disposal

P501: Dispose of contents/container to disposal plant in accordance with federal, state and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Weight %
Nonylphenol ethoxylated	9016-45-9	70% - 90%
Benzenesulfonic acid, dimethyl- sodium salt	1300-72-7	1% - 5%

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4. FIRST AID MEASURES

IF SWALLOWED: Call a POISON CENTER/doctor or Chemtrec if person feels unwell. Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

IF ON SKIN: Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.

IF INHALED: Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor or Chemtrec.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Effects: This product is not a carcinogen by NTP, OSHA and ACGIH.

5. FIREFIGHTING MEASURES

Suitable Extinguishing media: Water, fog, carbon dioxide, foam, dry chemicals.

Specific Hazards: Do not inhale explosion and combustion gases.

PPE and Precautions: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard if it can be done safely. Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: **Collect spillage.** Stop leak and clean up spills immediately, wearing protective clothing. Isolate and barricade area and keep bystanders away. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Keep out of sewers and drains by diking. Pump or scoop large amounts of liquid into a disposable container. Absorb remaining liquid or smaller spills with clay, appropriately. Rinse area with water and soak up with absorbent. Sweep and shovel up into a disposable container.

Disposal: Dispose of collected waste in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Keep out of reach of children, unauthorized persons and animals. Avoid eye contact and prolonged skin contact. Avoid inhalation of mists. Wear protective clothing and after work, remove protective equipment and wash hands before eating, smoking, drinking, or using the toilet. Clean up spilled material immediately, and clean clothes, equipment, and work area after use. Store in original container. Keep separate from other products to prevent cross contamination. Clean up any spilled material immediately.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits: N/D

Eye/Face Protections: Wear protective eyewear during direct exposure to product. Contact lenses should not be worn when working with chemicals.

Skin Protection: Wear chemical resistant gloves, coveralls worn over long-sleeved shirt, long pants, socks and chemical resistant footwear.

Respiratory Protection: Not required under normal use conditions with good ventilation. Wear air purifying mask with appropriate canister when used in a non-ventilated area. Protect against spray mists.

General Protection: Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product. Eye wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	UEL:	N/D
Odor:	Slight	LEL:	N/D
Odor Threshold:	N/D	Vapor Pressure:	N/D
pH:	5-7	Vapor Density:	N/D
Melting Point:	N/D	Relative Density (lbs/gal):	9.0 ± 0.05
Freezing Point:	N/D	Solubility in water:	Soluble
Boiling Point:	N/D	Partition Coefficient:	N/D
Flash Point:	>212°F	Autoignition Temperature:	N/D
Evaporation Rate:	N/D	Decomposition Temperature:	N/D
Flammability:	N/D		

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Condition to Avoid:	N/D
Incompatible Materials:	Strong acids and oxidizing agents.
Hazardous Decomposition Products:	N/D

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity:	LD ₅₀ = 3129 mg/kg (albino rats)
Acute Eye Damage:	Severely irritating (albino rabbits)
Acute Dermal Irritation:	Non irritating (albino rabbits)
Acute Dermal Toxicity:	LD ₅₀ > 5,050 mg/kg (albino rats)
Acute Inhalation:	N/D
Component Carcinogenicity:	None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

12. ECOLOGICAL INFORMATION

Toxicity	
Ecological information of the mixture:	
Aquatic acute toxicity:	EC50/LC50 > 1-10 mg/l – aquatic species (calculated data)
Persistence and degradability	
Ecological information for the mixture:	Not biodegradable – based on components.

13. DISPOSAL CONSIDERATIONS

Component Waste Numbers:	No EPA Waste Numbers are applicable for this product's components.
Disposal Instructions:	All wastes must be handled in accordance with local, state and federal regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.
Container Reuse:	An empty container can contain product residue, and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse. Dispose of container in accordance with local, state and federal regulations.

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14. TRANSPORT INFORMATION

DOT Non-Bulk (Highway and rail): Not Regulated
DOT Bulk (Highway and rail): UN 3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Nonylphenol ethoxylated), 9, PG III
IATA Status (Air): Class 9
Marine Pollutant: Yes

15. REGULATORY INFORMATION

TSCA: All components of this product are listed under the regulation of the Toxic Substance Control Act.

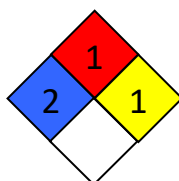
SARA HAZARD: No

16. OTHER INFORMATION

HMIS Hazard Rating

HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
PERSONAL PROTECTION	X

NFPA Rating



Date Prepared: October 29, 2013

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WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, LLC MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.

N/R—Not Rated

N/D—Not Determined

N/A—Not Applicable

N/E—Not Established

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration.; NJTSR = New Jersey Trade Secret Registry.