



Safety Data Sheet

Report Date 16-Mar-18

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1. Identification

Product Name : INDUCE PH
Synonyms : None
Product Use : Nonionic Surfactant and Buffering Agent
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Danger
Skin Irritation : Causes skin irritation
Eye Irritation : Causes serious eye damage
Acute Toxicity Oral : LD50 (rat) >5,000 mg/kg
Acute Toxicity Dermal : LD50 (rat) >5,050 mg/kg

Hazard Categories : Eye/Skin Irritation-1/2; Oral/Dermal/Inhalation Toxicity-5/5/5; Skin Sensitization-1

Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
May be harmful if inhaled
Causes serious eye damage
Causes skin irritation
May cause an allergic skin reaction

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Alkyl aryl polyoxyalkane ethers, polyethoxylated alcohol phosphates, phosphoric acid, Tall oil Free Fatty Acids, dimethylpolysiloxane.	Proprietary	90.00
Components ineffective as adjuvant or buffering agent.	Nonhazardous	10.00

4. First Aid Measures



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- Eye** : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing the eye. Call a poison control center or doctor for treatment advice.
- Skin** : Take off contaminated clothing. Rinse skin immediately with plenty of water, continuing for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.
- Inhalation** : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
- Ingestion** : Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth if unconscious.
- Indication of Immediate Medical Attention and Special Treatment Needed** : Treat symptomatically. If in a mix with pesticides, refer to the "Statement of Practical Treatment/First Aid" on the pesticide label(s).

5. Fire Fighting Measures

- Extinguishing Media** : Use water spray, alcohol foam, dry chemical or carbon dioxide extinguishing agents.
- Specific Hazards Arising from the Chemical** : Can be made to burn (flash point >200 Degrees F.). May produce carbon monoxide, carbon dioxide and oxides of phosphorus under fire conditions.
- Special Fire Fight Proc** : Wear self contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, impervious apron and footwear. Eyewash station and emergency shower in work area. Use NIOSH-approved respirator for organic vapors if vapors or mists are present.
- Emergency Procedures** : Secure contaminated area.
- Methods and Materials for Containment and Cleanup** : Cover spill with an inert absorbent, such as clay, sand or sawdust. Collect and place in suitable chemical waste containers for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep container tightly closed. Do not allow water to be introduced into the contents of this container. Do not contaminate water sources by runoff from cleaning of equipment, disposal or equipment washwaters or spray waste.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame.

8. Exposure Controls / Personal Protection



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TLV/PEL : No TLV or PEL established for mixture.

Appropriate Engineering Controls : Local mechanical exhaust system recommended.

Personal Protective Equipment : Splashproof goggles or face shield, chemical-resistant gloves, impervious apron and footwear. Eyewash station and emergency shower in work area. Use NIOSH-approved respirator for organic vapors if vapors or mists are present.

9. Physical and Chemical Properties

Odor/Appearance : Clear to slightly hazy pale yellow liquid, surfactant odor.

Flash Point, °F : >200 Degrees F.

Boiling Point, °F : >200 Degrees F.

Melting Point(Freezing point), °C : Not applicable

Vapor Pressure, mm Hg @ 20 °C : Not determined

Vapor Density : Not determined

Solubility in Water : Soluble

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.076-1.096

Evaporation Rate(Butyl Acetate = 1) : Not determined

Octanol/Water Partition Coefficient : No information found

pH : Not determined

Flammable Limits (approximate volume % in air) : No information found

Auto-ignition Temperature : Not determined

Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found

Chemical Stability : Stable

Hazardous Decomposition Products : May produce carbon monoxide, carbon dioxide and oxides of phosphorus under fire conditions.

Hazardous Polymerization : Will not occur

Conditions to Avoid : Do not mix with strong oxidizing agents, strong alkaline or caustic materials.

Incompatible Materials : Incompatible with strong oxidizing agents, strong alkaline or caustic materials.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (rat). May be harmful if swallowed.

Acute Toxicity (Dermal LD50) : >5,050 mg/kg (rat). May be harmful in contact with skin.

Acute Toxicity Inhalation LC50 : >2.18 mg/L/4 hour (aerosol exposure to rats). May be harmful if inhaled.



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- Likely Routes of Exposure** : Skin and eyes.
- Skin Irritation** : Causes skin irritation.
- Eye Irritation** : Causes serious eye damage. Positive effects persisted in two eyes through Day 21 after treatment.
- Skin Sensitization** : May cause an allergic skin reaction.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : Contains component(s) which did not cause cancer in laboratory animals.
Contains component(s) which, in laboratory animals, have been toxic to the fetus only at doses toxic to the mother. Component(s) did not cause birth defects in lab animals.
- Other Hazards** : CA Prop 65: This product does not contain >0.1% of a chemical known to the state of California to cause cancer and <1% of a chemical known to the state of California to cause birth defects or other reproductive harm. (ethylene oxide)

12. Ecological Information

- Ecotoxicity** : No information found
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : No information found

13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT in non-bulk packages. Regulated as a Marine Pollutant if shipped by ground (DOT) in bulk packaging, or if shipped by air (IATA) or by water (IMDG).
- Transport Hazard Class** : Class 9 (bulk/IATA/IMDG)
- UN Identification Number** : 3082(bulk/IATA/IMDG)
- Packaging Group** : PG III (bulk/IATA/IMDG)
- Environmental Hazards** : Marine Pollutant per Appendix B to 49 CFR 172.101.
- Transport in Bulk** : UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Alcohol C-12 - C-16 Poly (1-6) Ethoxylate), 9, PG III, Marine Pollutant
- Special Precautions for Transportation** : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Alcohol C-12 - C-16 Poly (1-6) Ethoxylate), 9, PG III, Marine Pollutant
- Freight Classification** : Adhesives, Adjuvants, Spreaders or Stickers, N.O.I. (NMFC Item 42652, Class 60)



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15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of N
Pressure:
Fire: N
Reactive: N

16. Other Information

Data of Preparation/Revision : 16-March-2018