



HP-90

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|---|
| Product Identifier | HP-90 |
| Other Means of Identification | High pH Touchless Presoak - Fresh Scent |
| Recommended Use | Used as presoak in touchless carwash applications. |
| Restrictions on Use | None known. |
| Manufacturer / Supplier | Transchem Pro Inc., 350 S. Northwest Highway, Park Ridge, IL, 60068, 1 (877) 857-3870, www.turtlewaxpro.com |
| Emergency Phone No. | INFOTRAC (U.S.), 1-800-535-5053, 24 Hours CANUTEC (Canada), 613-996-6666, 24 Hours |
| SDS No. | Ver. 2 (March 7, 2017) |
| Date of Preparation | May 22, 2015 |

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation - Category 1C; Serious eye damage/eye irritation - Category 1

GHS Label Elements



Signal Word:

Danger

Hazard Statement(s):

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Prevention:

P260 Do not breathe dusts or mists.

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 CENTRE/doctor.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Product Identifier: HP-90
SDS No.: Ver. 2 (March 7, 2017)
Date of Preparation: May 22, 2015

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | % | Other Identifiers |
|---------------------------|------------|-----|---------------------------------|
| Tetrasodium EDTA | 64-02-8 | 3-7 | Ethylenediaminetetraacetic acid |
| Sodium Metasilicate | 6834-92-0 | 3-7 | N/A |
| Alcohol Ethoxylate | 68439-46-3 | 3-7 | N/A |
| Alkyl Dimethylamine Oxide | 1643-20-5 | 1-5 | N/A |
| Sodium hydroxide | 1310-73-2 | 1-3 | Caustic soda |
| Potassium hydroxide | 1310-58-3 | 1-3 | Caustic Potash |

Notes

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice/attention if you feel unwell or are concerned.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Completely decontaminate clothing, shoes, and leather goods before reuse or discard. If skin irritation occurs get medical advice/attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Immediately call a Poison Centre or doctor.

Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water. Drink large amounts of water. Immediately call a Poison Centre or doctor.

Most Important Symptoms and Effects, Acute and Delayed

If on skin: may cause moderate to severe irritation. Repeated or prolonged exposure can irritate the skin. Symptoms include pain, redness, and swelling. If in eyes: may cause moderate to severe irritation. Symptoms include pain, redness, and swelling.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin.

Special Instructions

Rinse affected area (skin, eyes) thoroughly with water.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Product Identifier: HP-90
SDS No.: Ver. 2 (March 7, 2017)
Date of Preparation: May 22, 2015

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

Review Section 10 (Stability and Reactivity) for additional information.

Special Protective Equipment and Precautions for Fire-fighters

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Concentrated product: it is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

Large spills or leaks: dike spilled product to prevent runoff.

Review Section 13 (Disposal Considerations) of this safety data sheet. Contact emergency services and manufacturer/supplier for advice.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear personal protective equipment to avoid direct contact with this chemical. See Section 13 (Disposal Considerations) of this safety data sheet.

Conditions for Safe Storage

Store in an area that is: cool, dry, separate from incompatible materials (see Section 10: Stability and Reactivity). Keep out of reach of children. Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|---------------------|---------------------|-----------------------|---------------------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Sodium hydroxide | | 2 mg/m ³ C | 2 mg/m ³ | | | |
| Potassium hydroxide | 2 mg/m ³ | | | | | |

Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: polyvinyl chloride, neoprene rubber, latex rubber.

Product Identifier: HP-90

SDS No.: Ver. 2 (March 7, 2017)

Date of Preparation: May 22, 2015

Page 03 of 07

Respiratory Protection

Not normally required if good ventilation is maintained and exposure guidelines are not exceeded.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

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|--|---|
| Appearance | Blue liquid. |
| Odour | Fresh scent |
| Odour Threshold | Not available |
| pH | 13.0 - 13.6 |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | 212 °F (100 °C) |
| Flash Point | Not applicable |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not available |
| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |
| Vapour Pressure | Not applicable |
| Vapour Density (air = 1) | ~ 1 |
| Relative Density (water = 1) | 1.11 |
| Solubility | Soluble in water |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic) |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Incompatible materials.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---------------|------|-------------|---------------|
|---------------|------|-------------|---------------|

Product Identifier: HP-90

SDS No.: Ver. 2 (March 7, 2017)

Date of Preparation: May 22, 2015

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|---------------------------|------------------------------------|--------------------|-----------------------|
| Tetrasodium EDTA | > 1-5 mg/L (rat) (4-hour exposure) | 1780 mg/kg (rat) | |
| Sodium Metasilicate | | 1153 mg/kg (rat) | |
| Sodium hydroxide | | 500 mg/kg (rabbit) | 1350 mg/kg (rabbit) |
| Alcohol Ethoxylate | | 1378 mg/kg (rat) | > 2000 mg/kg (rabbit) |
| Alkyl Dimethylamine Oxide | | 2700 mg/kg (rat) | |
| Potassium hydroxide | | 365 mg/kg (rat) | > 1260 mg/kg (rabbit) |

Skin Corrosion/Irritation

Human experience shows moderate or severe irritation.

Serious Eye Damage/Irritation

Human experience shows serious eye irritation. May cause reddening and swelling of tissues around the eyes. Prolonged exposure may cause eye problems.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation, lung irritation, coughing, headaches.

Ingestion

Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Symptoms may include dry, red, cracked skin (dermatitis).

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Contains 2-butoxyethanol.

2-butoxyethanol is listed by the IARC as group 3, not classifiable as to its carcinogenicity to humans. It is listed by ACGIH as A3, confirmed animal carcinogen with unknown relevance to humans.

Reproductive Toxicity

Development of Offspring

No indication from ingredients.

Sexual Function and Fertility

No indication from ingredients.

Effects on or via Lactation

No indication from ingredients.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

All components of this product are biodegradable by Regulation (EC) No 648/2004.

Toxicity

Acute Aquatic Toxicity

| Chemical Name | LC50 Fish | EC50 Crustacea | ErC50 Aquatic Plants | ErC50 Algae |
|---------------|-----------|----------------|----------------------|-------------|
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Product Identifier: HP-90

SDS No.: Ver. 2 (March 7, 2017)

Date of Preparation: May 22, 2015

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|---------------------|---|--|--|--|
| Tetrasodium EDTA | 34-62 mg/L (Lepomis macrochirus (bluegill); 96-hour; static) | 113 mg/L (Daphnia magna (water flea); 48-hour; static) | | |
| Sodium Metasilicate | 210 mg/L (96-hour) | 216 mg/L (96-hour) | | |
| Sodium hydroxide | 45.4 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; static) | 100 mg/L (Daphnia magna (water flea); 48-hour) | | |
| Alcohol Ethoxylate | 11 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water) | 5.3 mg/L (Daphnia magna (water flea); 48-hour) | | |
| Potassium hydroxide | 80 mg/L (96-hour) | 56 mg/L (48-hour) | | |

Chronic Aquatic Toxicity

| Chemical Name | NOEC Fish | EC50 Fish | NOEC Crustacea | EC50 Crustacea |
|--------------------|-----------|-----------|----------------|----------------|
| Alcohol Ethoxylate | 1.5 mg/L | | | |

Persistence and Degradability

Versene 100 (EDTA): By using samples from a river, a ditch and a lake as inocula in the closed bottle test, a biodegradation between 60 and 83% was obtained after 49 days at pH 6.5, whereas between 53 and 72% were obtained after 28 days at pH 8.0.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Review federal, state/provincial, and local government requirements prior to disposal.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|---|----------------------------|---------------|
| Canadian TDG | 3266 | CORROSIVE LIQUID, Basic, Inorganic (Sodium Metasilicate, Sodium Hydroxide, Potassium Hydroxide) | Class 8 | III |
| US DOT | 3266 | CORROSIVE LIQUID, Basic, Inorganic (Sodium Metasilicate, Sodium Hydroxide, Potassium Hydroxide) | Class 8 | III |

Special Precautions for User Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Consult Transchem Pro Inc. regarding status of ingredients.

Product Identifier: HP-90
 SDS No.: Ver. 2 (March 7, 2017)
 Date of Preparation: May 22, 2015

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are commercially available and presumed to be listed by manufacturer.

Additional USA Regulatory Lists

SARA Title III - Section 313: 2-butoxyethanol (CAS: 111-76-2).

New Jersey Right To Know: Sodium Hydroxide (CAS: 1310-73-2); Potassium hydroxide (CAS: 1310-58-3); 2-butoxyethanol (CAS: 111-76-2).

California Proposition 65: No listed substances are known to be present.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 2** **Flammability - 0** **Instability - 0**

SDS Prepared By Technical Group

Date of Preparation May 22, 2015

Revision Indicators The following SDS content was changed on March 07, 2017:
SECTION 1. IDENTIFICATION; Other Means of Identification; Manufacturer.
SECTION 2. HAZARDS IDENTIFICATION; GHS Classification; GHS Label Elements.
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS; Ingredient Information.
SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values; Carcinogenicity.
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity; Chronic Aquatic Toxicity.
SECTION 15. REGULATORY INFORMATION; Toxic Substances Control Act (TSCA) Section 8(b).

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Product Identifier: HP-90
SDS No.: Ver. 2 (March 7, 2017)
Date of Preparation: May 22, 2015

Page 07 of 07