



HP-635

SECTION 1. IDENTIFICATION

Product Identifier	HP-635
Other Means of Identification	Low pH Touchless Presoak - Moderate TDS Water
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 (August 16, 2017)
Date of Preparation	May 11, 2015

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 2A

GHS Label Elements



Signal Word:

Warning

Hazard Statement(s):

H319 Causes serious eye irritation.

H315 Causes skin irritation.

Prevention:

P264 Wash hands and skin thoroughly after handling.

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

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Alcohols, C9-11, ethoxylated, liquids	68439-46-3	3-7	Alcohol Ethoxylate
Phosphoric Acid	7664-38-2	1-3	N/A
2-(2-Butoxyethoxy)ethanol	112-34-5	1-3	Diethylene glycol monobutyl

Product Identifier:	HP-635
SDS No.:	Ver. 2 (August 16, 2017)
Date of Preparation:	May 11, 2015

2-Butoxyethanol	111-76-2	1-3	ether Ethylene glycol monobutyl ether, Butyl Cellosolve
-----------------	----------	-----	------------------------------------------------------------

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. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. 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. If eye irritation persists, get medical advice/attention.

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. If in eyes: may cause moderate to severe irritation. Symptoms include sore, red eyes, and tearing.

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.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

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

Flammable hydrogen; very toxic carbon monoxide, carbon dioxide.

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

Product Identifier: HP-635
 SDS No.: Ver. 2 (August 16, 2017)
 Date of Preparation: May 11, 2015

It is good practice to prevent releases into the environment.

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

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: clean, cool, dry, separate from incompatible materials (see Section 10: Stability and Reactivity). Do not store in metal containers. Store in closed container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Phosphoric Acid	1 mg/m ³	3 mg/m ³	1 mg/m ³			
2-(2-Butoxyethoxy)ethanol	10 ppm					
2-Butoxyethanol		20 ppm C Skin	50 ppm Skin			

Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.
Suitable materials are: butyl rubber, natural rubber.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Mild
Odour Threshold	Not available
pH	1.0 - 2.0
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Will not burn.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available

Product Identifier: HP-635

SDS No.: Ver. 2 (August 16, 2017)

Date of Preparation: May 11, 2015

Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.02
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)
Other Information	
Physical State	Liquid
Other Physical Property 1	Evaporation Rate: Similar to water

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Unstable under certain conditions - see Conditions to Avoid.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Temperatures above 110.0 °C (230.0 °F)

Incompatible Materials

Oxidizers, nitrates, chlorates, metals (e.g. aluminum).

Hazardous Decomposition Products

Thermal decomposition: very toxic carbon monoxide, carbon dioxide.
Upon contact with metals: flammable hydrogen gas.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; eye contact; inhalation; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Phosphoric Acid		1530 mg/kg (rat)	2740 mg/kg (rabbit)
Alcohols, C9-11, ethoxylated, liquids		1378 mg/kg (rat)	> 2000 mg/kg (rabbit)
2-(2-Butoxyethoxy)ethanol		3384 mg/kg (rat)	2700 mg/kg (rabbit)
2-Butoxyethanol	450 ppm (female rat) (4-hour exposure)	400-917 mg/kg (rat)	220 mg/kg (rabbit)

Skin Corrosion/Irritation

Human experience shows mild irritation. Symptoms include slight redness and swelling.

Serious Eye Damage/Irritation

Prolonged exposure may cause eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Can cause nose, throat and respiratory tract irritation, coughing and headache.

Ingestion

Product may be harmful or fatal if swallowed.

Aspiration Hazard

Product Identifier: HP-635
SDS No.: Ver. 2 (August 16, 2017)
Date of Preparation: May 11, 2015

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No indication from ingredients.

Respiratory and/or Skin Sensitization

Not a skin sensitizer. Respiratory sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Butoxyethanol	Group 3	A3		

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
Phosphoric Acid	138 mg/L (96-hour)			
Alcohols, C9-11, ethoxylated, liquids	11 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water)	5.3 mg/L (Daphnia magna (water flea); 48-hour)		
2-(2-Butoxyethoxy)ethanol	1300 mg/L (Lepomis macrochirus (bluegill); 96-hour)	> 100 mg/L (Daphnia magna (water flea); 48-hour)		
2-Butoxyethanol	1490-2950 mg/L (Lepomis macrochirus (bluegill); 96-hour)	1550 mg/L (Daphnia magna (water flea); 48-hour)		

Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Alcohols, C9-11, ethoxylated, liquids	1.5 mg/L			
2-Butoxyethanol	> 100 mg/L (21-day; semi-static)		> 100 mg/L (Daphnia magna (water flea); 21-day; semi-static)	

Persistence and Degradability

(Alcohols, C9-11, ethoxylated, liquids) Degrades rapidly based on quantitative tests. 80% ThOD, closed bottle, 28 days.

(2-Butoxyethanol) Degrades rapidly based on quantitative tests. Biodegradable as per OECD 301E tests for ready biodegradability.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

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.

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: Phosphoric acid (CAS: 7664-38-2); 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 11, 2015		
Revision Indicators	The following SDS content was changed on August 16, 2017: SECTION 1. IDENTIFICATION; Other Means of Identification. SECTION 2. HAZARDS IDENTIFICATION; GHS Label Elements. SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS; Ingredient Information. SECTION 4. FIRST-AID MEASURES; Eye Contact. SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Control Parameters. SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES; pH. SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values; Skin Corrosion/Irritation; Carcinogenicity. SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity; Chronic Aquatic Toxicity. SECTION 15. REGULATORY INFORMATION; Toxic Substances Control Act (TSCA) Section 8(b).		
Disclaimer	The information contained here in has been compiled from sources believed to be reliable and is accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Recipient assumes all responsibility for the use of this information and the use, storage, or disposal of the product, including any resultant personal injury or property damage.		

Product Identifier: HP-635
SDS No.: Ver. 2 (August 16, 2017)
Date of Preparation: May 11, 2015

Page 06 of 06