



HP-73

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|---|
| Product Identifier | HP-73 |
| Other Means of Identification | Foaming Sealant - Citrus Lemon Scent |
| Recommended Use | Foaming wax for self serve car wash applications. |
| Restrictions on Use | None known. |
| Manufacturer | 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. 3 (May 14, 2018) |
| Date of Preparation | May 26, 2015 |

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 2A; Skin sensitization - Category 1A

GHS Label Elements



Signal Word:

Warning

Hazard Statement(s):

- H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Prevention:

- P261 Avoid breathing dust, fume, gas, mist, vapours or spray.
P264 Wash hands and skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
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.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

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

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | % | Other Identifiers |
|--|------------|------|---|
| Distillates (Petroleum), Hydrotreated Middle | 64742-46-7 | 5-10 | Mineral seal oil |
| Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides | 61789-77-3 | 5-10 | Di-Alkyl Quaternary Ammonium Chloride |
| 2-Butoxyethanol | 111-76-2 | 1-5 | Ethylene glycol butyl ether, Butyl cellosolve |
| Amines, C14-18 and C16-18-unsatd. alkyl, ethoxylated | 68155-39-5 | 1-5 | Ethoxylated Fatty Acid Amine |
| 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 1-5 | Diethylene glycol monobutyl |
| d-Limonene | 5989-27-5 | 1-5 | (R)-p-mentha-1,8-diene |

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. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Get medical advice/attention if you feel unwell or are concerned.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap 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: 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 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

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

Product Identifier: HP-73
SDS No.: Ver. 3 (May 14, 2018)
Date of Preparation: May 26, 2015

Treat as combustible fluid.

Special Protective Equipment and Precautions for Fire-fighters

Protect personnel from irritant liquid. 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

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 and recover contaminated water for appropriate disposal. 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, dry. Store in closed container. Keep from freezing. 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 |
| 2-Butoxyethanol | | 20 ppm C Skin | 50 ppm Skin | | | |
| Distillates (Petroleum), Hydrotreated Middle | 200 mg/m3 | | | | | |
| 2-(2-Butoxyethoxy)ethanol | 10 ppm | | | | | |

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 and face shield when contact is possible.

Skin Protection

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

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Product Identifier: HP-73
SDS No.: Ver. 3 (May 14, 2018)
Date of Preparation: May 26, 2015

Basic Physical and Chemical Properties

| | |
|--|---|
| Appearance | Yellow liquid. |
| Odour | Citrus |
| Odour Threshold | Not available |
| pH | 7.5 - 8.5 |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | Not available |
| Flash Point | > 200 °F (93 °C) (closed cup) |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not available |
| Upper/Lower Flammability or Explosive Limit | Not available (upper); Not available (lower) |
| Vapour Pressure | Not available |
| Vapour Density (air = 1) | Not available |
| Relative Density (water = 1) | 0.96 |
| 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 |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive hydrogen chloride; hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; eye contact.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---|---|----------------------|------------------------|
| 2-Butoxyethanol | 450 ppm (female rat) (4-hour exposure) | 400-917 mg/kg (rat) | 220 mg/kg (rabbit) |
| Distillates (Petroleum), Hydrotreated Middle | | > 5,000 mg/kg (rat) | > 2,000 mg/kg (rabbit) |
| Quaternary ammonium | | 200-2000 mg/kg (rat) | |

Product Identifier: HP-73
SDS No.: Ver. 3 (May 14, 2018)
Date of Preparation: May 26, 2015

| | | | |
|---|--|------------------|-----------------------|
| compounds, dicoco alkyldimethyl, chlorides | | | |
| 2-(2-Butoxyethoxy)ethanol | | 3384 mg/kg (rat) | 2700 mg/kg (rabbit) |
| d-Limonene | | 4400 mg/kg (rat) | > 5000 mg/kg (rabbit) |

Skin Corrosion/Irritation

Human experience shows moderate or severe irritation.

Serious Eye Damage/Irritation

Symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation, lung injury.

Ingestion

May cause irritation of the mouth, throat and stomach. 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). May cause chemical pneumonia, dizziness, nausea.

Respiratory and/or Skin Sensitization

Sensitization may occur following exposure to the liquid or vapour. Contains: Alpha-pinene, beta-pinene, citral, citronellol, Terpinolene 90.

Carcinogenicity

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

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 |
|--|---|---|----------------------|-------------|
| 2-Butoxyethanol | 1490-2950 mg/L (Lepomis macrochirus (bluegill); 96-hour) | 1550 mg/L (Daphnia magna (water flea); 48-hour) | | |
| Quaternary ammonium compounds, dicoco alkyldimethyl, chlorides | 0.195 mg/L (96-hour) | 0.3 mg/L (Daphnia magna (water flea); 48-hour) | | |

Product Identifier: HP-73
 SDS No.: Ver. 3 (May 14, 2018)
 Date of Preparation: May 26, 2015

| | | | | |
|---------------------------|--|---|--|--|
| 2-(2-Butoxyethoxy)ethanol | 1300 mg/L (Lepomis macrochirus (bluegill); 96-hour) | > 100 mg/L (Daphnia magna (water flea); 48-hour) | | |
| d-Limonene | 0.619-0.796 mg/L (Pimephales promelas (fathead minnow); 96-hour; flow-through) | 28.2 mg/L (Daphnia magna (water flea); 48-hour; flow-through) | | |

Chronic Aquatic Toxicity

| Chemical Name | NOEC Fish | EC50 Fish | NOEC Crustacea | EC50 Crustacea |
|---|----------------------------------|-----------|--|----------------|
| 2-Butoxyethanol | > 100 mg/L (21-day; semi-static) | | > 100 mg/L (Daphnia magna (water flea); 21-day; semi-static) | |
| Quaternary ammonium compounds, dicoco alkyl dimethyl, chlorides | | | 0.15 mg/L (Daphnia magna (water flea); 21-day) | |

Persistence and Degradability

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

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: 2-butoxyethanol (CAS: 111-76-2).

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

SECTION 16. OTHER INFORMATION

| | | | |
|----------------------------|--|-------------------------|------------------------|
| NFPA Rating | Health - 0 | Flammability - 2 | Instability - 0 |
| SDS Prepared By | Technical Group | | |
| Date of Preparation | May 26, 2015 | | |
| Revision Indicators | The following SDS content was changed on May 14, 2018: SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS; Ingredient Information. | | |
| Disclaimer | The information contained here in has been compiled from sources believed to be reliable and | | |

Product Identifier: HP-73
SDS No.: Ver. 3 (May 14, 2018)
Date of Preparation: May 26, 2015

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.