

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Material number : 000000000000988550

#### Manufacturer or supplier's details

Company : Zep Inc.

Address : 11627 - 178 Street  
Edmonton, Alberta T5S 1N6  
Canada

Telephone : Compliance Services - 877-428-9937

#### Emergency telephone numbers

**For SDS Information** : Compliance Services - 877-428-9937

**For a Medical Emergency** : 877-541-2016 Toll Free - All Calls Recorded

**For a Transportation Emergency** : CHEMTREC: 800-424-9300 - All Calls Recorded.

#### Recommended use of the chemical and restrictions on use

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance	liquid
Colour	clear, amber
Odour	mild

#### GHS Classification

Acute toxicity (Oral) : Category 4  
Skin corrosion : Category 1  
Serious eye damage : Category 1  
Specific target organ toxicity - repeated exposure (Inhalation) : Category 2

#### GHS label elements

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

Hazard pictograms

:



Health hazard



Corrosion



Exclamation mark

Signal word

: Danger

Hazard statements

: H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements

: **Prevention:**  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
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.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 + P310 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.  
P314 Get medical advice/ attention if you feel unwell.  
P363 Wash contaminated clothing before reuse.  
**Disposal:**  
P501 Dispose of contents/container in accordance with local regulation.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

#### Hazardous components

Chemical name	CAS-No.	Concentration [%]
sodium dodecylbenzenesulfonate	25155-30-0	>= 10 - < 30
2-aminoethanol	141-43-5	>= 5 - < 10
tetrasodium ethylenediaminetetraacetate	64-02-8	>= 5 - < 10
Alcohols, C9-11, ethoxylated	68439-46-3	>= 5 - < 10
sodium xylenesulphonate	1300-72-7	>= 5 - < 10
Sodium metasilicate (disodium salt)	6834-92-0	>= 1 - < 3

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

---

### SECTION 4. FIRST AID MEASURES

- |   |   |
|---|---|
| General advice  | : Move out of dangerous area.<br>Show this safety data sheet to the doctor in attendance.<br>Do not leave the victim unattended.  |
| If inhaled  | : If unconscious, place in recovery position and seek medical advice.<br>Consult a physician after significant exposure.  |
| In case of skin contact                                     | : If skin irritation persists, call a physician.<br>Wash off immediately with plenty of water for at least 15 minutes.<br>If on clothes, remove clothes.  |
| In case of eye contact                                      | : Remove contact lenses.<br>Protect unharmed eye.<br>Rinse immediately with plenty of water for at least 15 minutes.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.  |
| If swallowed  | : Keep respiratory tract clear.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>DO NOT induce vomiting unless directed to do so by a physician or poison control center.<br>Take victim immediately to hospital.   |
| Most important symptoms and effects, both acute and delayed | : Effects are immediate and delayed.<br>Symptoms may include blistering, irritation, burns, and pain.<br>Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling, respiratory issues, and general pain.<br>Effects are dependent on exposure (dose, concentration, contact time).<br>May cause damage to organs through prolonged or repeated exposure if inhaled.<br>Review section 2 of SDS to see all potential hazards.<br>Causes severe skin burns and eye damage. |
| Notes to physician  | : Treat symptomatically. Symptoms may be delayed.   |

---

### SECTION 5. FIREFIGHTING MEASURES

- |                                      |   |
|--------------------------------------|---|
| Suitable extinguishing media         | : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| Unsuitable extinguishing media       | : High volume water jet   |
| Specific hazards during firefighting | : Do not allow run-off from fire fighting to enter drains or water courses. |

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

Hazardous combustion products	: Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Nitrogen oxides (NO <sub>x</sub> ) Smoke Sulphur oxides
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

---

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Do not breathe vapours or spray mist. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	: Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	: Store and keep away from, oxidizing agents and acids.

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2-aminoethanol	141-43-5	STEL	6 ppm 15 mg/m3	CA AB OEL
		TWA	3 ppm 7.5 mg/m3	CA AB OEL
		TWA	3 ppm	CA BC OEL
		STEL	6 ppm	CA BC OEL
		TWAEV	3 ppm 7.5 mg/m3	CA QC OEL
		STEV	6 ppm 15 mg/m3	CA QC OEL
		TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH

**Engineering measures** : effective ventilation in all processing areas

#### Personal protective equipment

**Respiratory protection** : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

**Hand protection**

**Material** : Protective gloves

**Remarks** : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Eye protection** : Ensure that eyewash stations and safety showers are close to the workstation location.  
**Safety glasses**

**Skin and body protection** : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures** : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : liquid

**Colour** : clear, amber

**Odour** : mild

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

Odour Threshold	: No data available
pH	: 13 - 13.5
Melting point/freezing point	: No data available
Boiling point	: 100 °C
Flash point	: does not flash
Evaporation rate	: 1
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: not determined
Relative vapour density	: No data available
Density	: 1.1 g/cm3
Solubility(ies)	
Water solubility	: soluble in cold water, soluble in hot water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: 28.7 mm2/s (20 °C)

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: Extremes of temperature and direct sunlight.
Incompatible materials	: Acids Oxidizing agents
Hazardous decomposition products	: Nitrogen oxides (NOx) Carbon oxides Sulphur oxides

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

Aggravated Medical Condition : None known.

Symptoms of Overexposure : Effects are immediate and delayed.  
Symptoms may include blistering, irritation, burns, and pain.  
Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling, respiratory issues, and general pain.  
Effects are dependent on exposure (dose, concentration, contact time).  
May cause damage to organs through prolonged or repeated exposure if inhaled.  
Review section 2 of SDS to see all potential hazards.  
Causes severe skin burns and eye damage.  
Treat symptomatically. Symptoms may be delayed.

#### Carcinogenicity:

##### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

##### ACGIH

Confirmed animal carcinogen with unknown relevance to humans

2-butoxyethanol

111-76-2

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate : 1,981 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 40 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

##### Components:

##### **sodium dodecylbenzenesulfonate:**

Acute oral toxicity : LD50 Oral Rat: 438 mg/kg

##### **2-aminoethanol:**

Acute oral toxicity : LD50 Oral Mouse: 700 mg/kg

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

LD50 Oral Rat: 1,515 mg/kg

Acute inhalation toxicity : LC50 Mouse: > 1.21 mg/l

### **Alcohols, C9-11, ethoxylated:**

Acute oral toxicity : LD50 Oral Rat: 1,400 mg/kg

### **Sodium metasilicate (disodium salt):**

Acute oral toxicity : LD50 Rat: 1,153 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Remarks: Causes skin burns.

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks: Risk of serious damage to eyes.

### **Respiratory or skin sensitisation**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

#### **Product:**

Carcinogenicity - : Not classifiable as a human carcinogen.  
Assessment

### **Reproductive toxicity**

No data available

### **STOT - single exposure**

No data available

### **STOT - repeated exposure**

#### **Components:**

**tetrasodium ethylenediaminetetraacetate:**

Exposure routes: Inhalation

Assessment: May cause damage to organs through prolonged or repeated exposure.

### **Aspiration toxicity**

No data available

### **Further information**

#### **Product:**



# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

Remarks: No data available

---

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

No data available

#### Persistence and degradability

No data available

#### Bioaccumulative potential

##### Product:

Partition coefficient: n-octanol/water : Remarks: No data available

##### Components:

##### 2-aminoethanol :

Partition coefficient: n-octanol/water : log Pow: -1.31

#### Mobility in soil

No data available

#### Other adverse effects

No data available

##### Product:

Additional ecological information : No data available

---

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

---

### SECTION 14. TRANSPORT INFORMATION

Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada): UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM METASILICATE), 8, II
--

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):  
UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM METASILICATE), 8, II

Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):  
UN3266, Corrosive liquid, basic, inorganic, n.o.s., (SODIUM METASILICATE), 8, II

Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):  
UN3266, Corrosive liquid, basic, inorganic, n.o.s., (SODIUM METASILICATE), 8, II

Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):  
UN3266, Corrosive liquid, basic, inorganic, n.o.s., (SODIUM METASILICATE), 8, II

The product as delivered to the customer conforms to packaging requirements for shipment by road under Transport Dangerous Goods (TDG) Canada regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

### SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

**The components of this product are reported in the following inventories:**

**DSL** All components of this product are on the Canadian DSL  
**TSCA** On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

**Inventory Acronym and Validity Area Legend:**

TSCA (USA), DSL (Canada), NDSL (Canada)

### SECTION 16. OTHER INFORMATION

WHMIS - GHS Label Information:

Hazard pictograms :



Health hazard



Corrosion



Exclamation mark

Signal word : **Danger:**

# SAFETY DATA SHEET

## ZEP HIGH PH PRESOAK (XT-1398) VEHICLE WASH\_20 GAL

Version 1.0

Revision Date 01/31/2024

Print Date 04/27/2025

Hazard statements : Harmful if swallowed. Causes severe skin burns and eye damage. May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary statements :  
**Prevention:** Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:** IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. 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. Get medical advice/ attention if you feel unwell. Wash contaminated clothing before reuse.

**Disposal:** Dispose of contents/container in accordance with local regulation.

Version:	1.0
Revision Date:	01/31/2024
Print Date:	04/27/2025

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.