

## ZEP O-SHINE 4-4L

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP O-SHINE 4-4L

Material number : 38254C

**Manufacturer or supplier's details**

Company : Zep Inc.

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

Telephone : 404-352-1680

**Emergency telephone numbers****For SDS Information** : Compliance Services 1-877-428-9937**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**

Recommended use : Transportation Wash

## SECTION 2. HAZARDS IDENTIFICATION

**Emergency Overview**

Appearance	liquid
Colour	pink
Odour	pleasant

**GHS Classification**

Skin irritation : Category 2

Serious eye damage : Category 1

Carcinogenicity : Category 2

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H351 Suspected of causing cancer.Precautionary statements : **Prevention:**

## ZEP O-SHINE 4-4L

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.

P264 Wash skin thoroughly after handling.

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

**Response:**

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

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.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

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

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

**Disposal:**

Dispose of contents/container in accordance with local regulation.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration [%]
Alcohols, C12-16, ethoxylated	68551-12-2	>= 10 - < 20
Alcohols, C9-11, ethoxylated	68439-46-3	>= 10 - < 20
Amines, N-(C14-18 and C16-18-unsatd. alkyl)trimethylenedi-	68439-73-6	>= 1 - < 5
Amides, coco, N,N-bis(hydroxyethyl)	68603-42-9	>= 1 - < 5

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**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
 Consult a physician.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.  
 If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
 Wash off with plenty of water.  
 Remove contaminated clothing and shoes.  
 Wash contaminated clothing before reuse.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
 Rinse immediately with plenty of water, also under the eyelids,

## ZEP O-SHINE 4-4L

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

	<p>for at least 15 minutes. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.</p>
If swallowed	<p>: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.</p>
Most important symptoms and effects, both acute and delayed	<p>: Symptoms may include irritation, redness, pain, and rash. Chronic effects are delayed and symptoms may not be observed during an exposure. Effects are dependent on exposure (dose, concentration, contact time). Causes skin irritation. Causes serious eye damage. Review section 2 of SDS to see all potential hazards.</p>
Notes to physician	<p>: Treat symptomatically. Symptoms may be delayed.</p>

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**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Dry chemical Carbon dioxide (CO <sub>2</sub> )
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.
Hazardous combustion products	: Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide Smoke Nitrogen oxides (NO <sub>x</sub> )
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.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions,	: Use personal protective equipment.
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## ZEP O-SHINE 4-4L

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

- protective equipment and emergency procedures
- 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.

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**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Do not breathe vapours/dust. 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. To avoid spills during handling keep bottle on a metal tray. 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 : No materials to be especially mentioned.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Engineering measures** : none**Personal protective equipment**

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
- Hand protection
- Material : Protective gloves
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.  
Ensure that eyewash stations and safety showers are close to

**ZEP O-SHINE 4-4L**

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

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the workstation location.

- 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.
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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Colour : pink
- Odour : pleasant
- Odour Threshold : No data available
- pH : 6.39 - 7.0
- Melting point/freezing point : No data available
- Boiling point : 101.67 °C
- Flash point :  
Not applicable
- Evaporation rate : No data available
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available
- Density : 1.028 g/cm<sup>3</sup>
- Bulk density : No data available
- Solubility(ies)
- Water solubility : soluble
- Solubility in other solvents : Not applicable
- Partition coefficient: n-octanol/water : No data available
- Auto-ignition temperature : not determined
- Thermal decomposition : No data available
- Viscosity
- Viscosity, dynamic : No data available
- Viscosity, kinematic : 125.7 mm<sup>2</sup>/s (20 °C)

**ZEP O-SHINE 4-4L**

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

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**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	: No data available
Incompatible materials	: None.
Hazardous decomposition products	: No hazardous decomposition products are known.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Potential Health Effects**

Aggravated Medical Condition	: None known.
Symptoms of Overexposure	: Symptoms may include irritation, redness, pain, and rash. Chronic effects are delayed and symptoms may not be observed during an exposure. Effects are dependent on exposure (dose, concentration, contact time).

**Carcinogenicity:****IARC** Group 2B: Possibly carcinogenic to humans

Amides, coco, N,N-bis(hydroxyethyl) 68603-42-9

**Acute toxicity****Product:**Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method**Components:****Alcohols, C9-11, ethoxylated:**

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

**Skin corrosion/irritation****Product:**

Remarks: Irritating to skin.

**Serious eye damage/eye irritation****Product:**

**ZEP O-SHINE 4-4L**

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

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Remarks: May cause irreversible eye damage.

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

- Alcohols, C12-16, ethoxylated:
- Alcohols, C9-11, ethoxylated:
- Amines, N-(C14-18 and C16-18-unsatd. alkyl)trimethylenedi-:
- Amides, coco, N,N-bis(hydroxyethyl):

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

**Further information**

**Product:**

Remarks: No data available

**Components:**

Amides, coco, N,N-bis(hydroxyethyl):  
Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

**Product:**

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

**Components:**

Amides, coco, N,N-bis(hydroxyethyl) :

# SAFETY DATA SHEET



## ZEP O-SHINE 4-4L

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

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

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

Additional ecological information : No data available

#### Components:

**Amides, coco, N,N-bis(hydroxyethyl) :**

Additional ecological information : No data available

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## 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.

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## SECTION 14. TRANSPORT INFORMATION

Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL



## ZEP O-SHINE 4-4L

Version 1.0

Revision Date 01/25/2017

Print Date 10/04/2017

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.

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**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:**

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

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)

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**SECTION 16. OTHER INFORMATION**

WHMIS - GHS Label Information:

Hazard pictograms :



Signal word : **Danger:**  
 Hazard statements : Causes skin irritation. Causes serious eye damage. Suspected of causing cancer.  
 Precautionary statements :  
**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:** IF ON SKIN: Wash with plenty of water. 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. IF exposed or concerned: Get medical advice/ attention. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

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

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Version:	1.0
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**ZEP O-SHINE 4-4L**

Version 1.0

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