

ZEP CONC WHEEL & ENGINE CLNR E.E. 20L

Version 1.0

Revision Date 02/27/2017

Print Date 06/03/2022

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP CONC WHEEL & ENGINE CLNR E.E. 20L

Material number : B20147C

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 | yellow |
| Odour | pleasant |

GHS ClassificationSkin corrosion : Category 1
Serious eye damage : Category 1
Skin sensitisation : Category 1
Carcinogenicity : Category 2**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.

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Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

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.

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.

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

P333 + P313 If skin irritation or rash 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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Hazardous components

| Chemical name | CAS-No. | Concentration [%] |
|--|------------|-------------------|
| potassium dodecylbenzenesulphonate | 27177-77-1 | >= 5 - < 10 |
| sodium xylenesulphonate | 1300-72-7 | >= 1 - < 5 |
| Sodium metasilicate (disodium salt) | 6834-92-0 | >= 1 - < 5 |
| Amides, coco, N,N-bis(hydroxyethyl) | 68603-42-9 | >= 1 - < 5 |
| (2-methoxymethylethoxy)propanol (Mixture of isomers) | 34590-94-8 | >= 1 - < 5 |
| 1-butoxypropan-2-ol | 5131-66-8 | >= 1 - < 5 |
| Oils, sweet orange (terpenes and terpenoids) | 68647-72-3 | >= 0.1 - < 1 |
| 2,2'-iminodiethanol | 111-42-2 | >= 0.1 - < 1 |

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.

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| | |
|---|--|
| | 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 | : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. If on skin, rinse well with water. If on clothes, remove clothes. |
| In case of eye contact | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. |
| If swallowed | : 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. |
| Most important symptoms and effects, both acute and delayed | : Effects are dependent on exposure (dose, concentration, contact time). Effects are immediate and delayed. Symptoms may include blistering, irritation, burns, and pain. Chronic effects are delayed and symptoms may not be observed during an exposure. Causes severe skin burns and eye damage. Suspected of causing cancer. Review section 2 of SDS to see all potential hazards. |
| 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. |
| Hazardous combustion products | : Carbon dioxide (CO ₂) Carbon monoxide Sulphur oxides |

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| | |
|---|---|
| | Smoke Nitrogen oxides (NOx) |
| 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. |

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 | : 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. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. |
| 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 | : Do not store near acids. Store and keep away from bases and alkalies. |

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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-methoxymethylethoxy)propano I (Mixture of isomers) | 34590-94-8 | TWA | 100 ppm 606 mg/m3 | CA AB OEL |
| | | STEL | 150 ppm 909 mg/m3 | CA AB OEL |
| | | TWA | 100 ppm | CA BC OEL |
| | | STEL | 150 ppm | CA BC OEL |
| | | TWAEV | 100 ppm 606 mg/m3 | CA QC OEL |
| | | STEV | 150 ppm 909 mg/m3 | CA QC OEL |
| | | TWA | 100 ppm | ACGIH |
| | | STEL | 150 ppm | ACGIH |
| | | ST | 150 ppm 900 mg/m3 | NIOSH REL |
| | | TWA | 100 ppm 600 mg/m3 | NIOSH REL |
| | | TWA | 100 ppm 600 mg/m3 | OSHA Z-1 |
| | | TWA | 100 ppm 600 mg/m3 | OSHA P0 |
| | | STEL | 150 ppm 900 mg/m3 | OSHA P0 |
| | | STEL | 150 ppm 900 mg/m3 | CAL PEL |
| | | PEL | 100 ppm 600 mg/m3 | CAL PEL |
| 2,2'-iminodiethanol | 111-42-2 | TWA | 2 mg/m3 | CA AB OEL |
| | | TWA | 2 mg/m3 | CA BC OEL |
| | | TWAEV | 3 ppm 13 mg/m3 | CA QC OEL |
| | | TWA (Inhalable fraction and vapor) | 1 mg/m3 | ACGIH |
| | | TWA | 3 ppm 15 mg/m3 | NIOSH REL |
| | | TWA | 3 ppm 15 mg/m3 | OSHA P0 |
| | | PEL | 0.46 ppm 2 mg/m3 | CAL PEL |

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

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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 | : Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems. Ensure that eyewash stations and safety showers are close to 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. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|---|
| Appearance | : liquid |
| Colour | : yellow |
| Odour | : pleasant |
| Odour Threshold | : No data available |
| pH | : 13.0 - 13.3 |
| Melting point/freezing point | : No data available |
| Boiling point | : 104.44 °C |
| Flash point | : No data available |
| Evaporation rate | : 1 |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density | : No data available |
| Relative density | : 1.08 |
| Density | : 1.08 g/cm3 |
| Bulk density | : No data available |
| Solubility(ies) | |
| Water solubility | : soluble in cold water, soluble in hot water |
| Solubility in other solvents | : soluble |

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| | |
|--|---------------------|
| Partition coefficient: n-octanol/water | : No data available |
| Auto-ignition temperature | : No data available |
| Thermal decomposition | : No data available |
| Viscosity | |
| Viscosity, dynamic | : No data available |
| Viscosity, kinematic | : No data available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | : Stable |
| Chemical stability | : No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed. |
| Conditions to avoid | : No data available |
| Incompatible materials | : Acids Bases |

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

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

Carcinogenicity:

| | | |
|--------------|--|------------|
| IARC | Group 2B: Possibly carcinogenic to humans | |
| | 2,2'-iminodiethanol | 111-42-2 |
| | Amides, coco, N,N-bis(hydroxyethyl) | 68603-42-9 |
| ACGIH | Confirmed animal carcinogen with unknown relevance to humans | |
| | 2,2'-iminodiethanol | 111-42-2 |

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Acute toxicity**Product:**

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

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

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

Skin corrosion/irritation**Product:**

Remarks: Extremely corrosive and destructive to tissue.

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

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitisation**Product:**

Remarks: Causes sensitisation.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

potassium dodecylbenzenesulphonate:

sodium xylenesulphonate:

Sodium metasilicate (disodium salt):

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

(2-methoxymethylethoxy)propanol (Mixture of isomers):

1-butoxypropan-2-ol:

Oils, sweet orange (terpenes and terpenoids):

2,2'-iminodiethanol:

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

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Further information**Product:**

Remarks: No data available

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

Remarks: No data available

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) :**Partition coefficient: n- : Remarks: No data available
octanol/water**(2-methoxymethylethoxy)propanol (Mixture of isomers) :**Partition coefficient: n- : Pow: 0.0043
octanol/water**1-butoxypropan-2-ol :**Partition coefficient: n- : Pow: 1.2
octanol/water**2,2'-iminodiethanol :**Partition coefficient: n- : Pow: 1.43
octanol/water**Mobility in soil**

No data available

Other adverse effects

No data available

Product:Additional ecological : No data available
information**Components:****Amides, coco, N,N-bis(hydroxyethyl) :**Additional ecological : No data available
information

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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.

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

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:

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**TSCA
DSL**

On TSCA Inventory
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)

SECTION 16. OTHER INFORMATION

WHMIS - GHS Label Information:

Hazard pictograms :



Signal word :

Danger:

Hazard statements :

Causes severe skin burns and eye damage. May cause an allergic skin reaction.
Suspected of causing cancer.

Precautionary statements :

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: 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. IF exposed or concerned: Get medical advice/ attention. If skin irritation or rash 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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Zep Inc. markets products under well recognized and established brand names such as Zep®, Zep Commercial®, Zep Professional®, Enforcer®, National Chemical™, Selig™, Misty®, Next Dimension™, Petro®, i-Chem®, TimeMist®, TimeWick™, MicrobeMax®, Country Vet®, Konk®, Original Bike Spirits®, Blue Coral®, Black Magic®, Rain-X®, Niagara National™, FC Forward Chemicals®, Rexodan®, Mykal™, and a number of private labeled brands.

SAFETY DATA SHEET



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