

**ZEP ORNG HVY DTY CLEANER**

Version 2.4

Revision Date 12/11/2019

Print Date 12/17/2019

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material name : ZEP ORNG HVY DTY CLEANER

Material number : ZU099148

**Manufacturer or supplier's details**

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE  
Emerson, GA 30137

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.  
In the District of Columbia 202-483-7616**Recommended use of the chemical and restrictions on use**

Recommended use : Hand Care

Note: This product is labeled as a consumer product in accordance with the United States Consumer Product Safety Commission regulations. The warnings presented below in this Safety Data Sheet (SDS) comply with the 2012 OSHA Hazard Communication Standard (GHS - Globally Harmonized System of Classification and Labeling). The requirements for the labeling and warnings of consumer products may differ from those required for GHS based hazard communication.

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview**

|            |                          |
|------------|--------------------------|
| Appearance | viscous                  |
| Colour     | orange                   |
| Odour      | pleasant, characteristic |

**GHS Classification**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
**Disposal:**

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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 [%] |
|-------------------------------|------------|-------------------|
| Alcohols, C12-16, ethoxylated | 68551-12-2 | >= 1 - < 5        |

The exact percentages of disclosed substances are withheld as trade secrets.

**SECTION 4. FIRST AID MEASURES**

- General advice : Do not leave the victim unattended.  
Move out of dangerous area.  
Get medical attention.  
Show this safety data sheet to the doctor in attendance.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : This product is formulated for use on skin but should always be immediately washed off with plenty of water. Discontinue use if irritation and redness develop. If conditions persist for more than 72 hours, consult a physician.
- In case of eye contact : Flush eyes with water as a precaution.  
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.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Effects may be delayed, symptoms may include minor eye or skin irritation.  
Overexposure may cause mild eye or skin irritation.
- Notes to physician : Treat symptomatically. Symptoms may be delayed.

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**SECTION 5. FIREFIGHTING MEASURES**

- |                                               |                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                  | : Water spray jet<br>Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical                                                                                                                          |
| 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> )<br>Carbon monoxide<br>Smoke                                                                                                                                                           |
| 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.<br>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 | : Material can create slippery conditions.<br>Use non-slip safety shoes in areas where spills or leaks can occur.<br>Refer to protective measures listed in sections 7 and 8.              |
| Environmental precautions                                           | : Prevent further leakage or spillage if safe to do so.<br>Prevent product from entering drains.<br>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).<br>Keep in suitable, closed containers for disposal.                              |

**SECTION 7. HANDLING AND STORAGE**

- |                         |                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on safe handling | : Avoid contact with eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Dispose of rinse water in accordance with local and national regulations. |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Materials to avoid : Oxidizing agents

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

| Components                 | CAS-No.    | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|----------------------------|------------|----------------------------------|---------------------------------------------------|-----------|
| quartz (SiO <sub>2</sub> ) | 14808-60-7 | TWA (total dust)                 | 30 mg/m <sup>3</sup> /<br>%SiO <sub>2</sub> +2    | OSHA Z-3  |
|                            |            | TWA (Respirable dust)            | 0.05 mg/m <sup>3</sup>                            | NIOSH REL |
|                            |            | TWA (Respirable dust)            | 0.05 mg/m <sup>3</sup>                            | OSHA Z-1  |
|                            |            | PEL (Respirable dust)            | 0.05 mg/m <sup>3</sup>                            | CAL PEL   |

**Engineering measures** : Not applicable

**Personal protective equipment**

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection  
Remarks : No special protection is required.

Eye protection : Eye protection is not required while washing with this product. In the workplace, the use of safety glasses is recommended to avoid eye exposure during the handling of containers or during spill clean-up.

Skin and body protection : No special protection is required.

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                             | : viscous                  |
| Colour                                 | : orange                   |
| Odour                                  | : pleasant, characteristic |
| Odour Threshold                        | : No data available        |
| pH                                     | : 7.5 - 8.5                |
| Melting point/freezing point           | : No data available        |
| Boiling point                          | : No data available        |
| Flash point                            | :<br>Not applicable        |
| Evaporation rate                       | : No data available        |
| Upper explosion limit                  | : Not applicable           |
| Lower explosion limit                  | : Not applicable           |
| Vapour pressure                        | : No data available        |
| Relative vapour density                | : No data available        |
| Density                                | : 1.02 g/cm <sup>3</sup>   |
| Solubility(ies)                        |                            |
| Water solubility                       | : emulsifiable             |
| Partition coefficient: n-octanol/water | : No data available        |
| Auto-ignition temperature              | : not determined           |
| Thermal decomposition                  | : No data available        |
| Viscosity                              |                            |
| Viscosity, kinematic                   | : No data available        |

**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             | : Oxidizing agents                                    |
| Hazardous decomposition products   | : Carbon oxides                                       |

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

Aggravated Medical Condition : None known.  
Symptoms of Overexposure : Effects may be delayed, symptoms may include minor eye or skin irritation.

**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**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.  
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Acute toxicity**

No data available

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

Remarks: May irritate skin.

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

Remarks: Contact with eyes may cause irritation.

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT - single exposure**

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No data available

**STOT - repeated exposure**

No data available

**Aspiration toxicity**

No data available

**Further information****Product:**

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-octanol/water : Remarks: No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information

: No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

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- Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
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: 49 CFR (USA):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IMDG (Vessel):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Cargo Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Passenger Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: TDG (Canada):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) 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**

- TSCA list** : No substances are subject to a Significant New Use Rule.  
No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**



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| Components       | CAS-No.   | Component RQ<br>(lbs) | Calculated product RQ<br>(lbs) |
|------------------|-----------|-----------------------|--------------------------------|
| copper dinitrate | 3251-23-8 | 100                   | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards  
Carcinogenicity

**SARA 302** : No chemicals in this material are subject to the reporting  
requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with  
known CAS numbers that exceed the threshold (De Minimis)  
reporting levels established by SARA Title III, Section 313.

**California Prop. 65**

This product contains a chemical that is at or below California  
Propositions 65's "safe harbor level" as determined via a risk  
assessment. Therefore, the chemical is not required to be  
listed as a Prop 65 chemical on the SDS or label.

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

**DSL** This product contains one or more components that are listed on the  
Canadian NDSL. All other components 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)

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**SECTION 16. OTHER INFORMATION**

## ZEP ORNG HVY DTY CLEANER

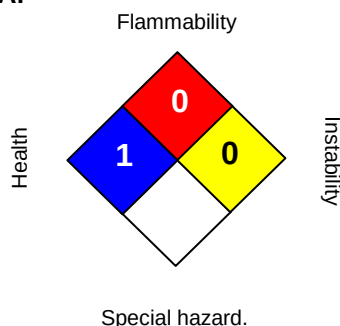
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## Further information

## NFPA:



## HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 0 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

## OSHA - GHS Label Information:

Not a hazardous substance or mixture.

## Precautionary statements

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** IF exposed or concerned: Get medical advice/ attention.

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

|                |            |
|----------------|------------|
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