

SAFETY DATA SHEET

AROGUARD REPLACE REFILL AND BATTERY EVERY 30 DAYS 0XXXX-000

Version 1.2

Revision Date 10/01/2023

Print Date 04/25/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : AROGUARD REPLACE REFILL AND BATTERY EVERY 30 DAYS 0XXXX-000

Material number : 000000000001048287

Manufacturer or supplier's details

Company : Zep Inc.

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

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.
In the District of Columbia 202-483-7616

Recommended use of the chemical and restrictions on use

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

| | |
|------------|----------------|
| Appearance | liquid |
| Colour | light yellow |
| Odour | characteristic |

GHS Classification

Acute toxicity (Oral) : Category 4
Skin irritation : Category 2
Eye irritation : Category 2A
Skin sensitisation : Category 1

GHS label elements

Hazard pictograms



Exclamation
mark

Signal word : Warning

Hazard statements : H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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Precautionary statements

: **Prevention:**

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

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

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

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash 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 [%] |
|----------------------------------------------|------------|-------------------|
| benzyl benzoate | 120-51-4 | >= 30 - < 50 |
| 2-tert-butylcyclohexyl acetate | 88-41-5 | >= 5 - < 10 |
| linalool | 78-70-6 | >= 3 - < 5 |
| tetrahydro-2-isobutyl-4-methylpyran-4-ol | 63500-71-0 | >= 3 - < 5 |
| benzyl salicylate | 118-58-1 | >= 3 - < 5 |
| undecan-4-olide | 104-67-6 | >= 3 - < 5 |
| 7-hydroxycitronellal | 107-75-5 | >= 1 - < 3 |
| citronellol | 106-22-9 | >= 1 - < 3 |
| 2-phenylethanol | 60-12-8 | >= 1 - < 3 |
| p-menth-1-en-8-ol | 98-55-5 | >= 1 - < 3 |
| 3-p-cumenyl-2-methylpropionaldehyde | 103-95-7 | >= 1 - < 3 |
| alpha,alpha-dimethylphenethyl butyrate | 10094-34-5 | >= 1 - < 3 |
| alpha-hexylcinnamaldehyde | 101-86-0 | >= 0.1 - < 1 |
| Oils, sweet orange (terpenes and terpenoids) | 68647-72-3 | >= 0.1 - < 1 |

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

SECTION 4. FIRST AID MEASURES

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SECTION 5. FIREFIGHTING MEASURES

SECTION 6. ACCIDENTAL RELEASE MEASURES

SECTION 7. HANDLING AND STORAGE

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------------------------|-------------------------------------------|
| Appearance | : liquid |
| Colour | : light yellow |
| Odour | : characteristic |
| Odour Threshold | : No data available |
| pH | : Not applicable |
| Melting point/freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 93.3 °C Method: TCC |
| Vapour pressure | : No data available |
| Density | : 0.993 - 1.013 g/cm ³ (25 °C) |
| Solubility(ies) | |
| Water solubility | : insoluble |
| Solubility in other solvents | : not determined |
| Partition coefficient: n-octanol/water | : No data available |
| Viscosity | |
| Viscosity, kinematic | : No data available |

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SECTION 10. STABILITY AND REACTIVITY

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

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 on OSHA's list of regulated carcinogens.

NTP

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

Product:

Acute oral toxicity : Acute toxicity estimate : 1,308 mg/kg
Method: Calculation method

Components:

2-tert-butylcyclohexyl acetate:

Acute oral toxicity : LD50 Oral Rat: 4,600 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: > 5,000 mg/kg

benzyl salicylate:

Acute oral toxicity : LD50 Oral Rat: 2,227 mg/kg

2-phenylethanol:

Acute oral toxicity : LD50 Oral Rat: 1,790 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: 806 mg/kg

Skin corrosion/irritation

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No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

Components:

benzyl salicylate:

Classification: May cause sensitisation by skin contact.

7-hydroxycitronellal:

Classification: May cause sensitisation by skin contact.

citronellol:

Classification: May cause sensitisation by skin contact.

alpha,alpha-dimethylphenethyl butyrate:

Classification: May cause sensitisation by skin contact.

alpha-hexylcinnamaldehyde:

Classification: May cause sensitisation by skin contact.

Oils, sweet orange (terpenes and terpenoids):

Classification: May cause sensitisation by skin contact.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

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No data available

Persistence and degradability

No data available

Bioaccumulative potential

Product:

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

Components:

benzyl benzoate :

Partition coefficient: n-octanol/water : log Pow: 4

linalool :

Partition coefficient: n-octanol/water : log Pow: 2.84 (25 °C)

benzyl salicylate :

Partition coefficient: n-octanol/water : log Pow: 4 (35 °C)

citronellol :

Partition coefficient: n-octanol/water : log Pow: 3.41

2-phenylethanol :

Partition coefficient: n-octanol/water : log Pow: 1.36

p-menth-1-en-8-ol :

Partition coefficient: n-octanol/water : log Pow: 2.98

alpha-hexylcinnamaldehyde :

Partition coefficient: n-octanol/water : log Pow: 4.686

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).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

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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

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 : Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitisation
Acute toxicity (any route of exposure)

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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 does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

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Further information

NFPA:

| | |
|-----------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 1 |
| INSTABILITY | 0 |
| SPECIAL HAZARD. | |

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

HMIS III:

| | |
|-----------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 0 |

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

OSHA - GHS Label Information:

Hazard pictograms

:



Exclamation
mark

Signal word

: **Warning:**

Hazard statements

: Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction.
Causes serious eye irritation.

Precautionary statements

:

Prevention: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ eye protection/ face protection.

Response: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and

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wash before reuse.

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

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