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Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** Z3 Disinfecting/Deodorizing/Cleaning Wipes

**Other means of identification**

**Synonyms** None

**EPA Pesticide registration number** -

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

**Recommended Use** Wipes, Disinfecting

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Name** The Clorox Company

**Supplier Address** 1221 Broadway, CA 94612

**Supplier Phone Number** 1-510-271-7000

**Emergency telephone number**

**Emergency Telephone Number** For Medical Emergencies call: 1800-446-1014 Transportation Emergencies, call Chemtrec: 1-800-424-9300


## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Label elements, including precautionary statements**

**Emergency Overview**

|                                                                                     |                                               |                     |  |
|-------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|--|
| <b>Signal word</b>                                                                  | <b>Warning</b>                                |                     |  |
| Flammable liquid and vapor                                                          |                                               |                     |  |
|  |                                               |                     |  |
| <b>Appearance</b> White                                                             | <b>Physical state</b> Solid containing liquid | <b>Odor</b> Alcohol |  |

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Do not spray on an open flame or other ignition source

Take precautionary measures against static discharge

**Precautionary Statements - Response**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Eyes**

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

**Skin**

IF ON SKIN: Gently wash with plenty of soap and water

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place

Store in a closed container

**Precautionary Statements - Disposal**

None

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

No information available

**Interactions with Other Chemicals**

May react with bleach-containing products or other household cleaners to produce hazardous gases.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                                                                             | CAS No     | Weight-% | Trade Secret |
|-------------------------------------------------------------------------------------------|------------|----------|--------------|
| Isopropyl alcohol                                                                         | 67-63-0    | 40-60    | *            |
| Glycol ether                                                                              | PROPIETARY | 1-5      | *            |
| Aliphatic polymer                                                                         | PROPIETARY | 1-5      | *            |
| Quaternary ammonium compounds,<br>C12-14-alkyl[(ethylphenyl)methyl]dimethyl,<br>chlorides | 85409-23-0 | 0.1-1    | *            |
| Alkylbenzyltrimethylammonium chloride                                                     | 68391-01-5 | 0.1-1    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures****Eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.  
Consult a physician.

**Skin contact**

Wash skin with soap and water.

**Inhalation**

Remove to fresh air.

**Ingestion**

Rinse mouth immediately and drink plenty of water.

**Most important symptoms and effects, both acute and delayed****Most Important Symptoms and Effects**

No information available.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

CO2, dry chemical, dry sand, alcohol-resistant foam.

### Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

No information available.

### Hazardous Combustion Products

No information available.

### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

| Chemical Name                                                                                           | ACGIH TLV                     | OSHA PEL                                   | NIOSH IDLH                                                                                                            |
|---------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Isopropyl alcohol<br>67-63-0                                                                            | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup> | IDLH: 2000 ppm 10%<br>LEL TWA: 980 mg/m <sup>3</sup><br>TWA: 400 ppm<br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| Quaternary ammonium compounds,<br>C12-14-alkyl[(ethylphenyl)methyl]dimethyl,<br>chlorides<br>85409-23-0 | None                          | None                                       | None                                                                                                                  |
| Alkylbenzyl dimethylammonium chloride<br>68391-01-5                                                     | -                             | -                                          | -                                                                                                                     |

### Appropriate engineering controls

**Engineering Measures**                      Showers  
                                                             Eyewash stations  
                                                             Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/face protection**                      Avoid contact with eyes.

**Skin and body protection**                No special protective equipment required.

**Respiratory protection**                    If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures**                            Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

|                                               |                          |                       |                          |
|-----------------------------------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b>                         | Solid containing liquid  | <b>Odor</b>           | Alcohol                  |
| <b>Appearance</b>                             | White                    | <b>Odor Threshold</b> | No information available |
| <b>Color</b>                                  | No information available |                       |                          |
| <b><u>Property</u></b>                        | <b><u>Values</u></b>     | <b><u>Remarks</u></b> | <b><u>Method</u></b>     |
| <b>pH</b>                                     | No data available        | None known            |                          |
| <b>Melting / freezing point</b>               | No data available        | None known            |                          |
| <b>Boiling point / boiling range</b>          | No data available        | None known            |                          |
| <b>Flash Point</b>                            | 27 C 82 F                | None known            |                          |
| <b>Evaporation Rate</b>                       | No data available        | None known            |                          |
| <b>Flammability (solid, gas)</b>              | Flammable                | None known            |                          |
| <b>Flammability Limit in Air</b>              |                          |                       |                          |
| <b>Upper flammability limit</b>               | No data available        |                       |                          |
| <b>Lower flammability limit</b>               | No data available        |                       |                          |
| <b>Vapor pressure</b>                         | No data available        | None known            |                          |
| <b>Vapor density</b>                          | No data available        | None known            |                          |
| <b>Specific Gravity</b>                       | 0.88 g/ml                | None known            |                          |
| <b>Water Solubility</b>                       | No data available        | None known            |                          |
| <b>Solubility in other solvents</b>           | No data available        | None known            |                          |
| <b>Partition coefficient: n-octanol/water</b> | No data available        | None known            |                          |
| <b>Autoignition temperature</b>               | 425 C                    | None known            |                          |
| <b>Decomposition temperature</b>              | No data available        | None known            |                          |
| <b>Kinematic viscosity</b>                    | No data available        | None known            |                          |
| <b>Dynamic viscosity</b>                      | No data available        | None known            |                          |
| <b>Explosive properties</b>                   | No data available        |                       |                          |

**Oxidizing properties** No data available

**Other Information**

**Softening Point** No data available  
**VOC Content (%)** No data available  
**Particle Size** No data available  
**Particle Size Distribution**

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

No information available.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

|                     |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | None known.                                                                                                                         |
| <b>Eye contact</b>  | None known.                                                                                                                         |
| <b>Skin contact</b> | None known.                                                                                                                         |
| <b>Ingestion</b>    | Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

**Component Information**

| Chemical Name                                                                                            | Oral LD50      | Dermal LD50        | Inhalation LC50  |
|----------------------------------------------------------------------------------------------------------|----------------|--------------------|------------------|
| Isopropyl alcohol<br>67-63-0                                                                             | 4.4 g/kg (Rat) | 12.8 g/kg (Rabbit) | 16000 (Rat, 8 h) |
| Quaternary ammonium compounds,<br>C12-14-alkyl[(ethylphenyl)methyl]di<br>methyl, chlorides<br>85409-23-0 | -              | -                  | -                |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** Contains no ingredient listed as a carcinogen.

| Chemical Name                | ACGIH | IARC    | NTP | OSHA |
|------------------------------|-------|---------|-----|------|
| Isopropyl alcohol<br>67-63-0 | –     | Group 3 | –   | X    |

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Target Organ Effects** None known.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

| Chemical Name                | Toxicity to Algae                                                                                        | Toxicity to Fish                                                                                                                                       | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| Isopropyl alcohol<br>67-63-0 | 96h EC50: > 1000 mg/L<br>(Desmodesmus subspicatus)<br>72h EC50: > 1000 mg/L<br>(Desmodesmus subspicatus) | 96h LC50: = 9640 mg/L<br>(Pimephales promelas) 96h<br>LC50: = 11130 mg/L<br>(Pimephales promelas) 96h<br>LC50: > 1400000 µg/L<br>(Lepomis macrochirus) |                            | 48h EC50: 13299 mg/L       |

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available

| Chemical Name                | Log Pow |
|------------------------------|---------|
| Isopropyl alcohol<br>67-63-0 | 0.05    |

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

|                 |               |
|-----------------|---------------|
| <u>DOT</u>      | NOT REGULATED |
| <u>TDG</u>      | NOT REGULATED |
| <u>ICAO</u>     | NOT REGULATED |
| <u>IATA</u>     | NOT REGULATED |
| <u>IMDG/IMO</u> | NOT REGULATED |

## 15. REGULATORY INFORMATION

### International Inventories

|      |                                                      |
|------|------------------------------------------------------|
| TSCA | Complies                                             |
| DSL  | All components are listed either on the DSL or NDSL. |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name               | CAS No  | Weight-% | SARA 313 - Threshold Values % |
|-----------------------------|---------|----------|-------------------------------|
| Isopropyl alcohol - 67-63-0 | 67-63-0 | 40-60    | 1.0                           |

#### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | No  |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

| Chemical Name                | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|------------------------------|------------|---------------|--------------|--------------|----------|
| Isopropyl alcohol<br>67-63-0 | X          | X             | X            | X            |          |

### International Regulations

#### Canada

#### WHMIS Hazard Class

Not determined

## 16. OTHER INFORMATION

|             |                         |                       |                          |                                        |
|-------------|-------------------------|-----------------------|--------------------------|----------------------------------------|
| <b>NFPA</b> | <b>Health Hazards</b> 0 | <b>Flammability</b> 2 | <b>Instability</b> 0     | <b>Physical and Chemical Hazards</b> - |
| <b>HMIS</b> | <b>Health Hazards</b> 0 | <b>Flammability</b> 2 | <b>Physical Hazard</b> 0 | <b>Personal Protection</b> X           |

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#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**