

# MED4-4515

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision Date: 04/06/2020 Date of Issue: 03/27/2014

### SECTION 1: Identification

#### 1.1. Product Identifier

Product Form Mixture  
Product Name MED4-4515  
Synonyms Silicone Elastomer

#### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the Substance/Mixture For professional use only.

#### 1.3. Details of the Supplier of the Safety Data Sheet

NuSil Technology LLC  
1050 Cindy Lane  
Carpinteria, California 93013  
USA  
(805) 684-8780  
[ehs@nusil.com](mailto:ehs@nusil.com)  
[www.nusil.com](http://www.nusil.com)

#### 1.4. Emergency Telephone Number

Emergency Number 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International and Maritime)

### SECTION 2: Hazards Identification

#### 2.1. Classification of the Substance or Mixture

##### GHS-US Classification

Skin Sens. 1 H317  
Repr. 1B H360

Full text of hazard classes and H-statements: see section 1.6

#### 2.2. Label Elements

##### GHS-US Labeling

Hazard Pictograms (GHS-US)



GHS07

GHS08

Signal Word (GHS-US)

Danger

Hazard Statements (GHS-US)

H317 - May cause an allergic skin reaction

H360 - May damage fertility or the unborn child

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### Precautionary Statements (GHS-US)

P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P261 - Avoid breathing dust.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear eye protection, protective clothing, protective gloves.  
P302+P352 - If on skin: Wash with plenty of water.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P321 - Specific treatment (see Section 4 on this SDS).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P363 - Wash contaminated clothing before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

Other Hazards Not Contributing to the Classification

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

## SECTION 3: Composition/Information On Ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixture

| Name                         | Product Identifier | %   | GHS-US Classification                                       |
|------------------------------|--------------------|-----|---|
| 2,4-Dichlorobenzoyl peroxide | (CAS-No.) 133-14-2 | < 1 | Org. Perox. D, H242<br>Skin Sens. 1, H317<br>Repr. 1B, H360 |

Full text of H-phrases: see section 16

## SECTION 4: First Aid Measures

### 4.1. Description of First-aid Measures

First-aid Measures General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-aid Measures After Inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact

Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

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First-aid Measures After Eye Contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.

Symptoms/Injuries After Inhalation Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact May cause eye irritation.

Symptoms/Injuries After Ingestion Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms Suspected of damaging fertility or the unborn child.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing Media

Suitable Extinguishing Media : Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media : Do not use a heavy water stream. Use of heavy stream of water may spread fire. Application of water stream to hot product may cause frothing and increase fire intensity.

### 5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard Product is not flammable.

Explosion Hazard Product is not explosive.

Reactivity Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

Precautionary Measures Fire Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information Refer to Section 9 for flammability properties.

## SECTION 6: Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment And Emergency Procedures

General Measures Avoid all contact with skin, eyes, or clothing.

#### 6.1.1. For Non-Emergency Personnel

Protective Equipment Use appropriate personal protective equipment (PPE).

Emergency Procedures Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective Equipment Equip cleanup crew with proper protection.

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Emergency Procedures

Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and Materials for Containment and Cleaning Up

For Containment

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up

Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

## SECTION 7: Handling And Storage

### 7.1. Precautions for Safe Handling

Hygiene Measures

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures

Comply with applicable regulations.

Storage Conditions

Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials

Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

For professional use only.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

### 8.2. Exposure Controls

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment

Protective goggles. Gloves. Protective clothing.



Materials For Protective Clothing

Chemically resistant materials and fabrics.

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|                                 |  |
|---------------------------------|--|
| Hand Protection                 | Wear chemically resistant protective gloves.   |
| Eye And Face Protection         | Chemical goggles or safety glasses.  |
| Skin And Body Protection        | Wear suitable protective clothing.   |
| Respiratory Protection          | Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits. |
| Environmental Exposure Controls | Do not allow the product to be released into the environment.  |
| Consumer Exposure Controls      | Do not eat, drink or smoke during use.   |

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

|                                       |                   |
|---------------------------------------|-------------------|
| Physical State                        | Solid             |
| Appearance                            | Translucent Grey  |
| Odor                                  | Odorless          |
| Odor Threshold                        | No data available |
| pH                                    | No data available |
| Evaporation Rate                      | No data available |
| Melting Point                         | No data available |
| Freezing Point                        | No data available |
| Boiling Point                         | No data available |
| Flash Point                           | > 135 °C (275 °F) |
| Auto-ignition Temperature             | No data available |
| Decomposition Temperature             | No data available |
| Flammability (solid, gas)             | No data available |
| Vapor Pressure                        | No data available |
| Relative Vapor Density at 20 °C       | No data available |
| Relative Density                      | No data available |
| Density                               | > 1               |
| Solubility                            | No data available |
| Partition Coefficient n-Octanol/Water | No data available |
| Viscosity                             | No data available |

### 9.2. Other Information

|             |       |
|-------------|-------|
| VOC Content | < 1 % |
|-------------|-------|

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

### 10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to Avoid

Extremely high or low temperatures and incompatible materials.

### 10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

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### 10.6. Hazardous Decomposition Products

Carbon oxides (CO, CO<sub>2</sub>). Silicon oxides. Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation. May produce explosive hydrogen gas on contact with incompatibilities or upon thermal decomposition.

## SECTION 11: Toxicological Information

### 11.1. Information on Toxicological Effects

Acute Toxicity : Not classified

#### 2,4-Dichlorobenzoyl peroxide (133-14-2)

|               |              |
|---------------|--------------|
| LD50 Oral Rat | > 2500 mg/kg |
|---------------|--------------|

|                           |                |
|---------------------------|----------------|
| Skin Corrosion/Irritation | Not classified |
|---------------------------|----------------|

|                               |                |
|-------------------------------|----------------|
| Serious Eye Damage/Irritation | Not classified |
|-------------------------------|----------------|

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Respiratory or Skin Sensitization | May cause an allergic skin reaction. |
|-----------------------------------|--------------------------------------|

|                        |                |
|------------------------|----------------|
| Germ Cell Mutagenicity | Not classified |
|------------------------|----------------|

|                 |                |
|-----------------|----------------|
| Carcinogenicity | Not classified |
|-----------------|----------------|

|                       |   |
|-----------------------|---|
| Reproductive Toxicity | : May damage fertility or the unborn child. |
|-----------------------|---|

|  |                  |
|--|------------------|
| Specific Target Organ Toxicity (Single Exposure) | : Not classified |
|--|------------------|

|  |                  |
|--|------------------|
| Specific Target Organ Toxicity (Repeated Exposure) | : Not classified |
|--|------------------|

|                   |                |
|-------------------|----------------|
| Aspiration Hazard | Not classified |
|-------------------|----------------|

|                                    |   |
|------------------------------------|---|
| Symptoms/Injuries After Inhalation | Overexposure may be irritating to the respiratory system. |
|------------------------------------|---|

|                                      |  |
|--------------------------------------|--|
| Symptoms/Injuries After Skin Contact | Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction. |
|--------------------------------------|--|

|                                     |                           |
|-------------------------------------|---------------------------|
| Symptoms/Injuries After Eye Contact | May cause eye irritation. |
|-------------------------------------|---------------------------|

|                                   |  |
|-----------------------------------|--|
| Symptoms/Injuries After Ingestion | Ingestion is likely to be harmful or have adverse effects. |
|-----------------------------------|--|

|                  |  |
|------------------|--|
| Chronic Symptoms | Suspected of damaging fertility or the unborn child. |
|------------------|--|

## SECTION 12: Ecological Information

### 12.1. Toxicity

#### 2,4-Dichlorobenzoyl peroxide (133-14-2)

|             |  |
|-------------|--|
| LC50 Fish 1 | > 1000 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [semi-static]) |
|-------------|--|

|                   |  |
|-------------------|--|
| NOEC Chronic Fish | 1000 mg/l (Exposure: 96h Species: Poecilia reticulata [semi-static]) |
|-------------------|--|

### 12.2. Persistence and Degradability

No additional information available

### 12.3. Bioaccumulative Potential

#### 2,4-Dichlorobenzoyl peroxide (133-14-2)

|         |             |
|---------|-------------|
| Log Pow | 6.01 KowWin |
|---------|-------------|

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### 12.4. Mobility In Soil

No additional information available

### 12.5. Other Adverse Effects

Other Information

Avoid release to the environment.

## SECTION 13: Disposal Considerations

### 13.1. Waste Treatment Methods

Sewage Disposal

Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way.

Recommendations

Waste Disposal

Dispose of waste material in accordance with all local, regional, national, and international regulations.

Recommendations

## SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

## SECTION 15: Regulatory Information

### 15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

|                                     |  |
|-------------------------------------|--|
| <b>MED4-4515</b>                    |  |
| SARA Section 311/312 Hazard Classes | Health hazard - Reproductive toxicity<br>Health hazard - Respiratory or skin sensitization |

### 15.2. US State Regulations

|  |
|--|
| <b>Synthetic Amorphous, Pyrogenic Silica (112945-52-5)</b> |
| U.S. - Texas - Effects Screening Levels - Long Term        |
| U.S. - Texas - Effects Screening Levels - Short Term       |

## SECTION 16: Other Information, Including Date of Preparation or Last Revision

Date of Preparation or Latest Revision

04/06/2020

Revision

Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

|               |                                   |
|---------------|-----------------------------------|
| Org. Perox. D | Organic Peroxide Category D       |
| Repr. 1B      | Reproductive toxicity Category 1B |
| Skin Sens. 1  | Skin sensitization, Category 1    |

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|      |  |
|------|--|
| H242 | Heating may cause a fire.                |
| H317 | May cause an allergic skin reaction      |
| H360 | May damage fertility or the unborn child |

NFPA Health Hazard

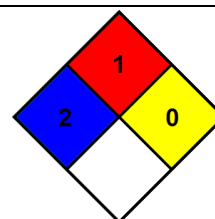
2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA Fire Hazard

1 - Materials that must be preheated before ignition can occur.

NFPA Reactivity Hazard

0 - Material that in themselves are normally stable, even under fire conditions.



HMIS III Rating  
Health

2 Moderate Hazard - Temporary or minor injury may occur  
\* Chronic - Chronic (long-term) health effects may result from repeated overexposure

Flammability  
Physical

1 Slight Hazard  
0 Minimal Hazard

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