



## Safety Data Sheet

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### SECTION 1: Identification

#### 1.1. Product identifier

Nexcare™ Liquid Bandage Spray 118-03

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Skin protectant barrier film.

#### 1.3. Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Consumer Safety and Well Being  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

#### 1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

### SECTION 2: Hazard identification

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

#### 2.1. Hazard classification

Flammable Liquid: Category 2.

Aspiration Hazard: Category 1.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Flame | Health Hazard |

##### Pictograms

**Hazard Statements**

Highly flammable liquid and vapor.

May be fatal if swallowed and enters airways.

**Precautionary statements****General:**

Keep out of reach of children.

**Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use explosion-proof electrical, ventilating and lighting equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Wear protective gloves, eye protection, and face protection.

**Response:**

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Do NOT induce vomiting.

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**Storage:**

Store in a well-ventilated place. Keep cool.

Store locked up.

**Disposal:**

Dispose of contents and container in accordance with applicable local, regional, national, and international regulations.

8% of the mixture consists of ingredients of unknown acute oral toxicity.

18% of the mixture consists of ingredients of unknown acute inhalation toxicity.

**SECTION 3: Composition/information on ingredients**

| Ingredient                         | C.A.S. No.    | % by Wt                  |
|------------------------------------|---------------|--------------------------|
| Hexamethyldisiloxane               | 107-46-0      | 70 - 90                  |
| Isooctane                          | 540-84-1      | 5 - 13 Trade Secret *    |
| Acrylate Terpolymer                | Trade Secret* | 3 - 10                   |
| Polyphenylmethylsiloxane Copolymer | 70131-69-0    | 0.1 - 1.5 Trade Secret * |

\*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

**SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

**Inhalation:**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin Contact:**

No need for first aid is anticipated.

**Eye Contact:**

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

**If Swallowed:**

Do not induce vomiting. Get immediate medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

Aspiration pneumonitis (coughing, gasping, choking, burning of the mouth, and difficulty breathing).

#### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

#### 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

#### Hazardous Decomposition or By-Products

**Substance**

Carbon monoxide

Carbon dioxide

**Condition**

During Combustion

During Combustion

#### 5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

#### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

### 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from acids. Store away from oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | C.A.S. No. | Agency | Limit type              | Additional Comments |
|------------|------------|--------|-------------------------|---------------------|
| OCTANE     | 540-84-1   | OSHA   | TWA:2350 mg/m3(500 ppm) |                     |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

Eye protection not required.

#### Skin/hand protection

No protective gloves required.

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                             |                                                                 |
|---------------------------------------------|-----------------------------------------------------------------|
| Physical state                              | Liquid                                                          |
| Color                                       | Colorless                                                       |
| Odor                                        | Odorless, Slight Odor                                           |
| Odor threshold                              | No Data Available                                               |
| pH                                          | Not Applicable                                                  |
| Melting point                               | Not Applicable                                                  |
| Boiling Point                               | 212 °F [Test Method: Tested per ASTM protocol]                  |
| Flash Point                                 | 14 °F [Test Method: Closed Cup]                                 |
| Evaporation rate                            | <=1 [Test Method: Tested per ASTM protocol] [Ref Std: ETHER=1]  |
| Flammability                                | Flammable Liquid: Category 2.                                   |
| Flammable Limits(LEL)                       | 0.7 %                                                           |
| Flammable Limits(UEL)                       | 18.3 %                                                          |
| Vapor Pressure                              | < 27 psia [@ 131 °F]                                            |
| Relative Vapor Density                      | Not Applicable                                                  |
| Density                                     | 0.78 g/ml                                                       |
| Relative Density                            | 0.78 [Test Method: Tested per ASTM protocol] [Ref Std: WATER=1] |
| Solubility In Water                         | <=1 % [Test Method: Tested per ASTM protocol]                   |
| Solubility- non-water                       | No Data Available                                               |
| Partition coefficient: n-octanol/ water     | Not Applicable                                                  |
| Autoignition temperature                    | 665 °F                                                          |
| Decomposition temperature                   | No Data Available                                               |
| Kinematic Viscosity                         | 6.4 mm <sup>2</sup> /sec                                        |
| Molecular weight                            | Not Applicable                                                  |
| Volatile Organic Compounds                  | 720 g/l                                                         |
| Percent volatile                            | 88 - 94 %                                                       |
| VOC Less H <sub>2</sub> O & Exempt Solvents | No Data Available                                               |
| Particle Characteristics                    | Not Applicable                                                  |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

**10.2. Chemical stability**

Stable.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Heat

Sparks and/or flames

**10.5. Incompatible materials**

Strong oxidizing agents

**10.6. Hazardous decomposition products****Substance****Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

**SECTION 11: Toxicological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

**11.1. Information on Toxicological effects****Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Skin Contact:**

Contact with the skin during product use is not expected to result in significant irritation.

**Eye Contact:**

Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion:**

Chemical (Aspiration) Pneumonitis: Signs/symptoms may include coughing, gasping, choking, burning of the mouth, difficulty breathing, bluish colored skin (cyanosis), and may be fatal. Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name            | Route                  | Species | Value                                        |
|-----------------|------------------------|---------|----------------------------------------------|
| Overall product | Inhalation-Dust/Mist(4 |         | No data available; calculated ATE >12.5 mg/l |

|                                    | hr)                            |        |                                                |
|------------------------------------|--------------------------------|--------|------------------------------------------------|
| Overall product                    | Ingestion                      |        | No data available; calculated ATE >5,000 mg/kg |
| Hexamethyldisiloxane               | Dermal                         | Rabbit | LD50 12,160 mg/kg                              |
| Hexamethyldisiloxane               | Inhalation-Vapor (4 hours)     | Rat    | LC50 106 mg/l                                  |
| Hexamethyldisiloxane               | Ingestion                      | Rat    | LD50 > 12,200 mg/kg                            |
| Isooctane                          | Dermal                         | Rabbit | LD50 > 2,000 mg/kg                             |
| Isooctane                          | Inhalation-Vapor (4 hours)     | Rat    | LC50 > 33.5 mg/l                               |
| Isooctane                          | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                             |
| Polyphenylmethylsiloxane Copolymer | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 0.5 mg/l                                  |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                 | Species | Value                     |
|----------------------|---------|---------------------------|
| Overall product      | Human   | No significant irritation |
| Hexamethyldisiloxane | Rabbit  | No significant irritation |
| Isooctane            | Rabbit  | Minimal irritation        |

### Serious Eye Damage/Irritation

| Name                 | Species | Value         |
|----------------------|---------|---------------|
| Hexamethyldisiloxane | Rabbit  | Mild irritant |
| Isooctane            | Rabbit  | Mild irritant |

### Skin Sensitization

| Name                 | Species           | Value          |
|----------------------|-------------------|----------------|
| Hexamethyldisiloxane | Human             | Not classified |
| Isooctane            | similar compounds | Not classified |

### Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

### Germ Cell Mutagenicity

| Name                 | Route    | Value         |
|----------------------|----------|---------------|
| Hexamethyldisiloxane | In Vitro | Not mutagenic |
| Hexamethyldisiloxane | In vivo  | Not mutagenic |
| Isooctane            | In Vitro | Not mutagenic |
| Isooctane            | In vivo  | Not mutagenic |

### Carcinogenicity

| Name                 | Route      | Species | Value                                                                        |
|----------------------|------------|---------|------------------------------------------------------------------------------|
| Hexamethyldisiloxane | Inhalation | Rat     | Some positive data exist, but the data are not sufficient for classification |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                 | Route      | Value                                  | Species | Test Result   | Exposure Duration |
|----------------------|------------|----------------------------------------|---------|---------------|-------------------|
| Hexamethyldisiloxane | Inhalation | Not classified for female reproduction | Rabbit  | NOAEL 33 mg/l | 2 generation      |
| Hexamethyldisiloxane | Inhalation | Not classified for male reproduction   | Rabbit  | NOAEL 33      | 2 generation      |

|                      |            |                                |                         |                 |                  |
|----------------------|------------|--------------------------------|-------------------------|-----------------|------------------|
|                      |            |                                |                         | mg/l            |                  |
| Hexamethyldisiloxane | Inhalation | Not classified for development | Multiple animal species | NOAEL 19.9 mg/l | during gestation |

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

| Name      | Route      | Target Organ(s)                   | Value                                                                        | Species | Test Result         | Exposure Duration |
|-----------|------------|-----------------------------------|------------------------------------------------------------------------------|---------|---------------------|-------------------|
| Isooctane | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Rat     | NOAEL Not available |                   |
| Isooctane | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |         | NOAEL Not available |                   |
| Isooctane | Ingestion  | central nervous system depression | May cause drowsiness or dizziness                                            | Rat     | NOAEL Not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                 | Route      | Target Organ(s)       | Value          | Species | Test Result           | Exposure Duration |
|----------------------|------------|-----------------------|----------------|---------|-----------------------|-------------------|
| Hexamethyldisiloxane | Dermal     | liver                 | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 4 weeks           |
| Hexamethyldisiloxane | Dermal     | kidney and/or bladder | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 4 weeks           |
| Hexamethyldisiloxane | Dermal     | endocrine system      | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 4 weeks           |
| Hexamethyldisiloxane | Dermal     | hematopoietic system  | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 4 weeks           |
| Hexamethyldisiloxane | Dermal     | nervous system        | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 4 weeks           |
| Hexamethyldisiloxane | Inhalation | hematopoietic system  | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | kidney and/or bladder | Not classified | Rat     | NOAEL 1.3 mg/l        | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | heart                 | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | endocrine system      | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | liver                 | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | immune system         | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | nervous system        | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | eyes                  | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Inhalation | respiratory system    | Not classified | Rat     | NOAEL 33 mg/l         | 13 weeks          |
| Hexamethyldisiloxane | Ingestion  | hematopoietic system  | Not classified | Rat     | NOAEL 640 mg/kg/day   | 4 weeks           |
| Hexamethyldisiloxane | Ingestion  | liver                 | Not classified | Rat     | NOAEL 640 mg/kg/day   | 4 weeks           |
| Hexamethyldisiloxane | Ingestion  | immune system         | Not classified | Rat     | NOAEL 640 mg/kg/day   | 4 weeks           |
| Hexamethyldisiloxane | Ingestion  | nervous system        | Not classified | Rat     | NOAEL 640 mg/kg/day   | 4 weeks           |
| Hexamethyldisiloxane | Ingestion  | kidney and/or bladder | Not classified | Rat     | NOAEL 640 mg/kg/day   | 4 weeks           |

## Aspiration Hazard

| Name      | Value             |
|-----------|-------------------|
| Isooctane | Aspiration hazard |

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

## SECTION 12: Ecological information

### Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

### Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

## SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: Regulatory information

### 15.1. US Federal Regulations

Contact 3M for more information.

#### EPCRA 311/312 Hazard Classifications:

##### Physical Hazards

Flammable (gases, aerosols, liquids, or solids)

##### Health Hazards

Aspiration Hazard

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

This material contains one or more substances not listed on the TSCA Inventory. Commercial use of this material is regulated by the FDA.

Contact 3M for more information.

#### 15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SECTION 16: Other information

#### NFPA Hazard Classification

**Health:** 1 **Flammability:** 3 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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