



## Safety Data Sheet

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|------------------------|-----------|-------------------------|----------|
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### SECTION 1: Identification

#### 1.1. Product identifier

12149/ 12150/ 12151/ 12154 3M™ ESPE™ VANISH™ 5% NaF WHITE VARNISH WITH TCP

#### Product Identification Numbers

70-2010-5739-8, 70-2010-5740-6, 70-2010-5742-2, 70-2010-5744-8, 70-2010-5747-1, 70-2010-5749-7, 70-2010-5750-5, 70-2010-5751-3, 70-2010-5752-1, 70-2010-8812-0, 70-2010-8813-8, 70-2010-8814-6, 70-2010-8815-3, 70-2010-8816-1, 70-2010-8817-9, 70-2010-8818-7, 70-2010-8819-5, 70-2010-8820-3, 70-2010-8821-1, 70-2010-8822-9, 70-2010-8823-7, 70-2010-8824-5, 70-2010-8825-2, 70-2010-8849-2, 70-2010-8850-0, 70-2010-8851-8

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

##### Recommended use

Dental Product, Fluoride Varnish

##### Restrictions on use

For use only by dental professionals

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Oral Care Solutions Division            |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure.

#### 2.1. Hazard classification

Flammable Liquid: Category 3.

Serious Eye Damage/Irritation: Category 2A.

Aspiration Hazard: Category 1.

Reproductive Toxicity: Category 2.

Specific Target Organ Toxicity (central nervous system): Category 3.

Specific Target Organ Toxicity (repeated exposure): Category 1.

## 2.2. Label elements

### Signal word

Danger

### Symbols

Flame | Exclamation mark | Health Hazard |

### Pictograms



### Hazard Statements

Flammable liquid and vapor.

Causes serious eye irritation.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

Suspected of damaging fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure:

musculoskeletal system |

nervous system |

### Precautionary Statements

#### Prevention:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only in a well-ventilated area.

Wear protective gloves and eye/face protection.

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

Wash thoroughly after handling.

#### Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

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

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF exposed or concerned: Get medical advice/attention.

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.

Keep container tightly closed.

**Disposal:**

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

**2.3. Hazards not otherwise classified**

None.

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

| Ingredient  | C.A.S. No.    | % by Wt                |
|---|---------------|------------------------|
| PENTAERYTHRITOL GLYCEROL ESTER OF COLOPHONY RESIN | Trade Secret* | 30 - 75 Trade Secret * |
| n-HEXANE  | 110-54-3      | 10 - 15 Trade Secret * |
| ETHYL ALCOHOL                                     | 64-17-5       | 1 - 15 Trade Secret *  |
| SODIUM FLUORIDE                                   | 7681-49-4     | 1 - 5 Trade Secret *   |
| FLAVOR ENHANCER                                   | Trade Secret* | 1 - 5 Trade Secret *   |
| THICKENER   | Trade Secret* | 1 - 5 Trade Secret *   |
| FOOD GRADE FLAVOR                                 | Not available | 1 - 5 Trade Secret *   |
| MODIFIED TRICALCIUM PHOSPHATE                     | Not available | < 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:**

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

**If Swallowed:**

Do not induce vomiting. Get immediate medical attention.

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

See Section 11.1. Information on toxicological effects.

**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.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**

Avoid release to the environment.

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

Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR - AFFF type foam is recommended. 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 detergent and water. Seal the container. Dispose of collected material as soon as possible.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid prolonged or repeated skin contact. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe 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.) Do not get in eyes. Use personal protective equipment (gloves, respirators, etc.) as required. 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.

**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.

| <b>Ingredient</b> | <b>C.A.S. No.</b> | <b>Agency</b> | <b>Limit type</b>       | <b>Additional Comments</b>   |
|-------------------|-------------------|---------------|-------------------------|------------------------------|
| n-HEXANE          | 110-54-3          | ACGIH         | TWA:50 ppm              | Skin Notation                |
| n-HEXANE          | 110-54-3          | OSHA          | TWA:1800 mg/m3(500 ppm) |                              |
| ETHYL ALCOHOL     | 64-17-5           | ACGIH         | STEL:1000 ppm           | A3: Confirmed animal carcin. |

|               |              |      |  |  |
|---------------|--------------|------|--|--|
| ETHYL ALCOHOL | 64-17-5      | OSHA | TWA:1900 mg/m3(1000 ppm)   |  |
| THICKENER     | Trade Secret | CMRG | TWA(as respirable dust):3 mg/m3                                  |  |
| THICKENER     | Trade Secret | OSHA | TWA concentration:0.8 mg/m3;TWA:20 millions of particles/cu. ft. |  |

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 in a well-ventilated area.

### 8.2.2. Personal protective equipment (PPE)

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety Glasses with side shields

#### Skin/hand protection

See Section 7.1 for additional information on skin protection.

#### Respiratory protection

None required.

## SECTION 9: Physical and chemical properties

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

|  |   |
|--|---|
| <b>General Physical Form:</b>                  | Liquid  |
| <b>Specific Physical Form:</b>                 | Liquid  |
| <b>Odor, Color, Grade:</b>                     | Light yellow liquid with mint, cherry or melon odor |
| <b>Odor threshold</b>                          | <i>No Data Available</i>                            |
| <b>pH</b>                                      | <i>Not Applicable</i>                               |
| <b>Melting point</b>                           | <i>Not Applicable</i>                               |
| <b>Boiling Point</b>                           | 68 °C   |
| <b>Flash Point</b>                             | 25 °C [ <i>Test Method: Closed Cup</i> ]            |
| <b>Evaporation rate</b>                        | <i>Not Applicable</i>                               |
| <b>Flammability (solid, gas)</b>               | Not Applicable                                      |
| <b>Flammable Limits(LEL)</b>                   | <i>No Data Available</i>                            |
| <b>Flammable Limits(UEL)</b>                   | <i>No Data Available</i>                            |
| <b>Vapor Pressure</b>                          | <i>Not Applicable</i>                               |
| <b>Vapor Density</b>                           | <i>Not Applicable</i>                               |
| <b>Density</b>                                 | 0.8 g/ml  |
| <b>Specific Gravity</b>                        | 0.8 [ <i>Ref Std: WATER=1</i> ]                     |
| <b>Solubility in Water</b>                     | Moderate  |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>                            |
| <b>Partition coefficient: n-octanol/ water</b> | <i>Not Applicable</i>                               |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>                            |

|                            |                          |
|----------------------------|--------------------------|
| Decomposition temperature  | <i>No Data Available</i> |
| Viscosity                  | <i>No Data Available</i> |
| Volatile Organic Compounds | <i>No Data Available</i> |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

Strong oxidizing agents  
Strong acids

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| 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.

This document has been prepared in accordance with the U.S. OSHA Hazard Communication Standard, which requires the inclusion of all known hazards of the product or ingredients regardless of the potential risk. The risks of the hazards communicated in this document may vary depending on the potential for exposure.

### 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:

Exposures needed to cause the following health effect(s) are not expected during normal, intended use:

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

May cause additional health effects (see below).

**Skin Contact:**

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Eye Contact:**

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**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.

May cause additional health effects (see below).

**Additional Health Effects:****Single exposure may cause target organ effects:**

Exposures needed to cause the following health effect(s) are not expected during normal, intended use:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

**Prolonged or repeated exposure may cause target organ effects:**

Exposures needed to cause the following health effect(s) are not expected during normal, intended use:

Hard Tissue Effects: Signs/symptoms may include color changes in the teeth and nails; changes in development of bone, teeth or nails; weakening of the bones; and/or hair loss.

Peripheral Neuropathy: Signs/symptoms may include tingling or numbness of the extremities, incoordination, weakness of the hands and feet, tremors and muscle atrophy.

**Reproductive/Developmental Toxicity:**

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Additional Information:**

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

**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                                   | Ingestion                  | Rat     | LD50 > 2,000 mg/kg  |
| PENTAERYTHRITOL GLYCEROL ESTER OF COLOPHONY RESIN | Ingestion                  | Rat     | LD50 8,400 mg/kg    |
| n-HEXANE  | Dermal                     | Rabbit  | LD50 > 2,000 mg/kg  |
| n-HEXANE  | Inhalation-Vapor (4 hours) | Rat     | LC50 170 mg/l       |
| n-HEXANE  | Ingestion                  | Rat     | LD50 > 28,700 mg/kg |
| ETHYL ALCOHOL                                     | Dermal                     | Rabbit  | LD50 > 15,800 mg/kg |
| ETHYL ALCOHOL                                     | Inhalation-Vapor (4 hours) | Rat     | LC50 124.7 mg/l     |
| ETHYL ALCOHOL                                     | Ingestion                  | Rat     | LD50 17,800 mg/kg   |

|                 |                                |        |                                    |
|-----------------|--------------------------------|--------|------------------------------------|
| FLAVOR ENHANCER | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg |
| THICKENER       | Dermal                         | Rabbit | LD50 > 5,000 mg/kg                 |
| FLAVOR ENHANCER | Ingestion                      | Rat    | LD50 16,500 mg/kg                  |
| SODIUM FLUORIDE | Dermal                         | Rat    | LD50 > 2,000 mg/kg                 |
| SODIUM FLUORIDE | Inhalation-Dust/Mist           | Rat    | LC50 1 mg/l                        |
| SODIUM FLUORIDE | Ingestion                      | Rat    | LD50 148.5 mg/kg                   |
| THICKENER       | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 0.691 mg/l                  |
| THICKENER       | Ingestion                      | Rat    | LD50 > 5,110 mg/kg                 |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name            | Species                 | Value                     |
|-----------------|-------------------------|---------------------------|
| n-HEXANE        | Human and animal        | Mild irritant             |
| ETHYL ALCOHOL   | Rabbit                  | No significant irritation |
| SODIUM FLUORIDE | official classification | Irritant                  |
| THICKENER       | Rabbit                  | No significant irritation |

### Serious Eye Damage/Irritation

| Name            | Species                 | Value                     |
|-----------------|-------------------------|---------------------------|
| n-HEXANE        | Rabbit                  | Mild irritant             |
| ETHYL ALCOHOL   | Rabbit                  | Moderate irritant         |
| SODIUM FLUORIDE | official classification | Severe irritant           |
| THICKENER       | Rabbit                  | No significant irritation |

### Skin Sensitization

| Name          | Species          | Value  |
|---------------|------------------|--|
| n-HEXANE      | Human            | Not sensitizing  |
| ETHYL ALCOHOL | Human            | Some positive data exist, but the data are not sufficient for classification |
| THICKENER     | Human and animal | Not sensitizing  |

### 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  |
|---------------|----------|--|
| n-HEXANE      | In Vitro | Not mutagenic  |
| n-HEXANE      | In vivo  | Not mutagenic  |
| ETHYL ALCOHOL | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| ETHYL ALCOHOL | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| THICKENER     | In Vitro | Not mutagenic  |

### Carcinogenicity

| Name     | Route      | Species | Value  |
|----------|------------|---------|--|
| n-HEXANE | Dermal     | Mouse   | Not carcinogenic                               |
| n-HEXANE | Inhalation | Mouse   | Some positive data exist, but the data are not |



|               |               |                         |  |
|---------------|---------------|-------------------------|--|
|               |               |                         | sufficient for classification  |
| ETHYL ALCOHOL | Ingestion     | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| THICKENER     | Not Specified | Mouse                   | 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              |
|---------------|------------|--|---------|-----------------------|--------------------------------|
| n-HEXANE      | Ingestion  | Not toxic to development   | Mouse   | NOAEL 2,200 mg/kg/day | during organogenesis           |
| n-HEXANE      | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Rat     | NOAEL 0.7 mg/l        | during gestation               |
| n-HEXANE      | Ingestion  | Toxic to male reproduction   | Rat     | NOAEL 1,140 mg/kg/day | 90 days                        |
| n-HEXANE      | Inhalation | Toxic to male reproduction   | Rat     | LOAEL 3.52 mg/l       | 28 days                        |
| ETHYL ALCOHOL | Inhalation | Not toxic to development   | Rat     | NOAEL 38 mg/l         | during gestation               |
| ETHYL ALCOHOL | Ingestion  | Some positive developmental data exist, but the data are not sufficient for classification | Rat     | NOAEL 5,200 mg/kg/day | prematuring & during gestation |
| THICKENER     | Ingestion  | Not toxic to female reproduction   | Rat     | NOAEL 509 mg/kg/day   | 1 generation                   |
| THICKENER     | Ingestion  | Not toxic to male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation                   |
| THICKENER     | Ingestion  | Not toxic to development   | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis           |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name            | Route      | Target Organ(s)                   | Value  | Species                 | Test Result         | Exposure Duration     |
|-----------------|------------|-----------------------------------|--|-------------------------|---------------------|-----------------------|
| n-HEXANE        | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                   | NOAEL Not available | not available         |
| n-HEXANE        | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Rabbit                  | NOAEL Not available | 8 hours               |
| n-HEXANE        | Inhalation | respiratory system                | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 24.6 mg/l     | 8 hours               |
| ETHYL ALCOHOL   | Inhalation | central nervous system depression | May cause drowsiness or dizziness  | Human                   | LOAEL 2.6 mg/l      | 30 minutes            |
| ETHYL ALCOHOL   | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                   | LOAEL 9.4 mg/l      | not available         |
| ETHYL ALCOHOL   | Ingestion  | central nervous system depression | May cause drowsiness or dizziness  | Multiple animal species | NOAEL not available |                       |
| ETHYL ALCOHOL   | Ingestion  | kidney and/or bladder             | Some positive data exist, but the data are not sufficient for classification | Dog                     | NOAEL 3,000 mg/kg   |                       |
| SODIUM FLUORIDE | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | Human                   | NOAEL Not available | occupational exposure |

### Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure |
|------|-------|-----------------|-------|---------|-------------|----------|
|------|-------|-----------------|-------|---------|-------------|----------|

|                 |            |   |  |        |                       | <b>Duration</b>        |
|-----------------|------------|---|--|--------|-----------------------|------------------------|
| n-HEXANE        | Inhalation | peripheral nervous system   | Causes damage to organs through prolonged or repeated exposure               | Human  | NOAEL Not available   | occupational exposure  |
| n-HEXANE        | Inhalation | respiratory system  | Some positive data exist, but the data are not sufficient for classification | Mouse  | LOAEL 1.76 mg/l       | 13 weeks               |
| n-HEXANE        | Inhalation | liver   | Some positive data exist, but the data are not sufficient for classification | Rat    | NOAEL Not available   | 6 months               |
| n-HEXANE        | Inhalation | kidney and/or bladder   | Some positive data exist, but the data are not sufficient for classification | Rat    | LOAEL 1.76 mg/l       | 6 months               |
| n-HEXANE        | Inhalation | hematopoietic system  | Some positive data exist, but the data are not sufficient for classification | Mouse  | NOAEL 35.2 mg/l       | 13 weeks               |
| n-HEXANE        | Inhalation | auditory system   immune system   eyes  | Some positive data exist, but the data are not sufficient for classification | Human  | NOAEL Not available   | occupational exposure  |
| n-HEXANE        | Inhalation | heart   skin   endocrine system   | All data are negative  | Rat    | NOAEL 1.76 mg/l       | 6 months               |
| n-HEXANE        | Ingestion  | peripheral nervous system   | Some positive data exist, but the data are not sufficient for classification | Rat    | NOAEL 1,140 mg/kg/day | 90 days                |
| n-HEXANE        | Ingestion  | endocrine system   hematopoietic system   liver   immune system   kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat    | NOAEL Not available   | 13 weeks               |
| ETHYL ALCOHOL   | Inhalation | liver   | Some positive data exist, but the data are not sufficient for classification | Rabbit | LOAEL 124 mg/l        | 365 days               |
| ETHYL ALCOHOL   | Inhalation | hematopoietic system   immune system  | Some positive data exist, but the data are not sufficient for classification | Rat    | NOAEL 25 mg/l         | 14 days                |
| ETHYL ALCOHOL   | Ingestion  | liver   | Some positive data exist, but the data are not sufficient for classification | Rat    | LOAEL 8,000 mg/kg/day | 4 months               |
| ETHYL ALCOHOL   | Ingestion  | kidney and/or bladder   | Some positive data exist, but the data are not sufficient for classification | Dog    | NOAEL 3,000 mg/kg/day | 7 days                 |
| SODIUM FLUORIDE | Inhalation | bone, teeth, nails, and/or hair   | Causes damage to organs through prolonged or repeated exposure               | Human  | NOAEL Not available   | occupational exposure  |
| SODIUM FLUORIDE | Ingestion  | bone, teeth, nails, and/or hair   | Causes damage to organs through prolonged or repeated exposure               | Human  | NOAEL 0.33 mg/kg/day  | environmental exposure |
| THICKENER       | Inhalation | respiratory system   silicosis  | All data are negative  | Human  | NOAEL Not available   | occupational exposure  |

**Aspiration Hazard**

| <b>Name</b> | <b>Value</b>      |
|-------------|-------------------|
| n-HEXANE    | 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.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

**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.

#### 311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

| <u>Ingredient</u> | <u>C.A.S. No</u> | <u>% by Wt</u>       |
|-------------------|------------------|----------------------|
| n-HEXANE          | 110-54-3         | Trade Secret 10 - 15 |
| n-HEXANE (Hexane) | 110-54-3         | 10 - 15              |

### 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: 2 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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