

# **Safety Data Sheet**

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# **SECTION 1: Identification**

#### 1.1. Product identifier

3M<sup>TM</sup> Diamond Compound UB, UBB, UBS

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

#### Recommended use

Abrasive polishing paste

# 1.3. Supplier's details

MANUFACTURER: 3M

**DIVISION:** Abrasive Systems Division

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**

#### 2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2A.

#### 2.2. Label elements

Signal word

Warning

#### **Symbols**

Exclamation mark |

#### **Pictograms**



#### **Hazard Statements**

Causes serious eye irritation.

#### **Precautionary Statements**

#### **Prevention:**

Wear eye/face protection.

Wash thoroughly after handling.

### **Response:**

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.

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

| Ingredient                          | C.A.S. No.  | % by Wt                |
|-------------------------------------|-------------|------------------------|
| Polyalkylene Glycol Monobutyl Ether | 9038-95-3   | 60 - 95 Trade Secret * |
| Diamond                             | 7782-40-3   | < 30 Trade Secret *    |
| Fumed Silica, Crystalline Free      | 112945-52-5 | 5 - 10 Trade Secret *  |
| Lubricant                           | 9005-65-6   | 1 - 5 Trade Secret *   |
| 2-Butoxyethanol                     | 111-76-2    | < 0.2 Trade Secret *   |
| 4-Methoxyphenol                     | 150-76-5    | < 0.2 Trade Secret *   |

<sup>\*</sup>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.

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

#### If Swallowed:

Rinse mouth. If you feel unwell, get 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 ordinary combustible material such as water or foam to extinguish.

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

None inherent in this product.

## **Hazardous Decomposition or By-Products**

Substance
Carbon monoxide
Carbon dioxide

### **Condition**

During Combustion During Combustion

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

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

Evacuate area. 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. 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. 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. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. 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

Avoid eye contact. Avoid breathing of dust created by cutting, sanding, grinding or machining. For industrial/occupational use only. Not for consumer sale or use. 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.)

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

Store away from heat. Store away from acids. Store away from strong bases. 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 | <b>Additional Comments</b> |
|-----------------|------------|--------|------------|----------------------------|
| 2-Butoxyethanol | 111-76-2   | ACGIH  | TWA:20 ppm | A3: Confirmed animal       |
|                 |            |        |            | carcin.                    |

| 3M <sup>TM</sup> Diamond | Compound | UB, UBB, | UBS | 02/28/19 |
|--------------------------|----------|----------|-----|----------|
|                          |          |          |     |          |

| 2-Butoxyethanol   | 111-76-2   | OSHA  | TWA:240 mg/m3(50 ppm)    | SKIN |
|-------------------|------------|-------|--------------------------|------|
| SILICA, AMORPHOUS | 112945-52- | OSHA  | TWA concentration:0.8    |      |
|                   | 5          |       | mg/m3;TWA:20 millions of |      |
|                   |            |       | particles/cu. ft.        |      |
| 4-Methoxyphenol   | 150-76-5   | ACGIH | TWA:5 mg/m3              |      |

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

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### 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.

#### 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:

**Indirect Vented Goggles** 

### Skin/hand protection

No chemical protective gloves are 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

General Physical Form: Liquid

Odor, Color, Grade: Mild Characteristic Odor / Opaque paste (Color varies with

abrasive type and micron size)

Odor threshold No Data Available pH Not Applicable

Melting point >=-85 °F

**Boiling Point** >=392 °F [*Details*:Decomposes]

Flash Point >=215 °F
Evaporation rate Nil

Flammability (solid, gas)

Flammable Limits(LEL)

Flammable Limits(UEL)

Vapor Pressure

Not Applicable

No Data Available

No Data Available

>=0.01 mmHg [@ 68 °F]

**Vapor Density**9.3 [Ref Std:AIR=1] **Density**No Data Available

Specific Gravity 0.971 [Ref Std: WATER=1]

Solubility in Water Complete

Solubility- non-waterNo Data AvailablePartition coefficient: n-octanol/ waterNo Data AvailableAutoignition temperatureNo Data AvailableDecomposition temperatureNo Data AvailableViscosityNo Data Available

Volatile Organic Compounds0 g/lPercent volatile0 %VOC Less H2O & Exempt Solvents0 g/l

# **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

Sparks and/or flames

Heat

#### 10.5. Incompatible materials

Strong oxidizing agents Strong acids Strong bases

# 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:**

May be harmful if inhaled. 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:**

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

#### **Ingestion:**

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- |           | No data available; calculated ATE5 - 12.5 mg/l |
|                                     | Dust/Mist(4 |           |                                                |
|                                     | hr)         |           |                                                |
| Overall product                     | Ingestion   |           | No data available; calculated ATE >5,000 mg/kg |
| Polyalkylene Glycol Monobutyl Ether | Dermal      | Rabbit    | LD50 > 16,960 mg/kg                            |
| Polyalkylene Glycol Monobutyl Ether | Inhalation- | Rat       | LC50 > 5 mg/l                                  |
|                                     | Dust/Mist   |           |                                                |
|                                     | (4 hours)   |           |                                                |
| Polyalkylene Glycol Monobutyl Ether | Ingestion   | Rat       | LD50 4,240 mg/kg                               |
| Diamond                             | Dermal      | Rat       | LD50 > 2,000 mg/kg                             |
| Diamond                             | Inhalation- | Rat       | LC50 > 5.2  mg/l                               |
|                                     | Dust/Mist   |           |                                                |
|                                     | (4 hours)   |           |                                                |
| Diamond                             | Ingestion   | Rat       | LD50 > 2,000 mg/kg                             |
| Fumed Silica, Crystalline Free      | Dermal      | Rabbit    | LD50 > 5,000 mg/kg                             |
| Fumed Silica, Crystalline Free      | Inhalation- | Rat       | LC50 > 0.691 mg/l                              |
|                                     | Dust/Mist   |           |                                                |
|                                     | (4 hours)   |           |                                                |
| Fumed Silica, Crystalline Free      | Ingestion   | Rat       | LD50 > 5,110 mg/kg                             |
| Lubricant                           | Dermal      | Not       | LD50 > 5,000 mg/kg                             |
|                                     |             | available |                                                |
| Lubricant                           | Inhalation- | Rat       | LC50 > 5.1  mg/l                               |
|                                     | Dust/Mist   |           |                                                |
|                                     | (4 hours)   |           |                                                |
| Lubricant                           | Ingestion   | Rat       | LD50 20,000 mg/kg                              |
| 2-Butoxyethanol                     | Dermal      | Guinea    | LD50 > 2,000 mg/kg                             |
|                                     |             | pig       |                                                |
| 2-Butoxyethanol                     | Inhalation- | Guinea    | LC50 > 2.6 mg/l                                |
|                                     | Vapor (4    | pig       |                                                |
|                                     | hours)      |           |                                                |
| 2-Butoxyethanol                     | Ingestion   | Guinea    | LD50 1,414 mg/kg                               |
|                                     |             | pig       |                                                |
| 4-Methoxyphenol                     | Dermal      | Rat       | LD50 > 2,000 mg/kg                             |
| 4-Methoxyphenol                     | Ingestion   | Rat       | LD50 1,600 mg/kg                               |

ATE = acute toxicity estimate

# Skin Corrosion/Irritation

| okin Corrosion/irration             |         |                    |  |  |
|-------------------------------------|---------|--------------------|--|--|
| Name                                | Species | Value              |  |  |
| Polyalkylene Glycol Monobutyl Ether | Rabbit  | Minimal irritation |  |  |

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| Diamond                        | Professio | No significant irritation |
|--------------------------------|-----------|---------------------------|
|                                | nal       |                           |
|                                | judgeme   |                           |
|                                | nt        |                           |
| Fumed Silica, Crystalline Free | Rabbit    | No significant irritation |
| Lubricant                      | Rabbit    | No significant irritation |
| 2-Butoxyethanol                | Rabbit    | Irritant                  |
| 4-Methoxyphenol                | Rabbit    | Mild irritant             |

**Serious Eye Damage/Irritation** 

| Name                                | Species   | Value                     |
|-------------------------------------|-----------|---------------------------|
|                                     |           |                           |
| Polyalkylene Glycol Monobutyl Ether | Rabbit    | No significant irritation |
| Diamond                             | Professio | No significant irritation |
|                                     | nal       |                           |
|                                     | judgeme   |                           |
|                                     | nt        |                           |
| Fumed Silica, Crystalline Free      | Rabbit    | No significant irritation |
| Lubricant                           | Rabbit    | No significant irritation |
| 2-Butoxyethanol                     | Rabbit    | Severe irritant           |
| 4-Methoxyphenol                     | Rabbit    | Severe irritant           |

# **Skin Sensitization**

| Name                           | Species   | Value          |
|--------------------------------|-----------|----------------|
| Diamond                        | Professio | Not classified |
|                                | nal       |                |
|                                | judgeme   |                |
|                                | nt        |                |
| Fumed Silica, Crystalline Free | Human     | Not classified |
|                                | and       |                |
|                                | animal    |                |
| Lubricant                      | Guinea    | Not classified |
|                                | pig       |                |
| 2-Butoxyethanol                | Guinea    | Not classified |
|                                | pig       |                |
| 4-Methoxyphenol                | Guinea    | Sensitizing    |
|                                | pig       |                |

# **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                                          |
|--------------------------------|----------|------------------------------------------------|
|                                |          |                                                |
| Diamond                        | In Vitro | Not mutagenic                                  |
| Fumed Silica, Crystalline Free | In Vitro | Not mutagenic                                  |
| Lubricant                      | In Vitro | Not mutagenic                                  |
| 2-Butoxyethanol                | In Vitro | Some positive data exist, but the data are not |
|                                |          | sufficient for classification                  |

Carcinogenicity

| Name                                | Route            | Species                       | Value                                                                        |
|-------------------------------------|------------------|-------------------------------|------------------------------------------------------------------------------|
| Polyalkylene Glycol Monobutyl Ether | Ingestion        | Rat                           | Not carcinogenic                                                             |
| Fumed Silica, Crystalline Free      | Not<br>Specified | Mouse                         | Some positive data exist, but the data are not sufficient for classification |
| Lubricant                           | Ingestion        | Rat                           | Some positive data exist, but the data are not sufficient for classification |
| 2-Butoxyethanol                     | Inhalation       | Multiple<br>animal<br>species | 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<br>Duration        |
|-------------------------------------|------------|----------------------------------------|-------------------------------|--------------------------|-----------------------------|
| Polyalkylene Glycol Monobutyl Ether | Inhalation | Not classified for male reproduction   | Rat                           | NOAEL 1<br>mg/l          | 2 weeks                     |
| Fumed Silica, Crystalline Free      | Ingestion  | Not classified for female reproduction | Rat                           | NOAEL 509<br>mg/kg/day   | 1 generation                |
| Fumed Silica, Crystalline Free      | Ingestion  | Not classified for male reproduction   | Rat                           | NOAEL 497<br>mg/kg/day   | 1 generation                |
| Fumed Silica, Crystalline Free      | Ingestion  | Not classified for development         | Rat                           | NOAEL 1,350<br>mg/kg/day | during<br>organogenesi<br>s |
| Lubricant                           | Ingestion  | Not classified for female reproduction | Rat                           | NOAEL 6,666<br>mg/kg/day | 3 generation                |
| Lubricant                           | Ingestion  | Not classified for male reproduction   | Rat                           | NOAEL 6,666<br>mg/kg/day | 3 generation                |
| Lubricant                           | Ingestion  | Not classified for development         | Rat                           | NOAEL 5,000<br>mg/kg/day | during<br>organogenesi<br>s |
| 2-Butoxyethanol                     | Dermal     | Not classified for development         | Rat                           | NOAEL 1,760<br>mg/kg/day | during<br>gestation         |
| 2-Butoxyethanol                     | Ingestion  | Not classified for development         | Rat                           | NOAEL 100<br>mg/kg/day   | during<br>organogenesi<br>s |
| 2-Butoxyethanol                     | Inhalation | Not classified for development         | Multiple<br>animal<br>species | NOAEL 0.48<br>mg/l       | during<br>organogenesi<br>s |

# Target Organ(s)

**Specific Target Organ Toxicity - single exposure** 

| Name                                   | Route      | Target Organ(s)                      | Value                                                                        | Species                           | Test Result            | Exposure<br>Duration      |
|----------------------------------------|------------|--------------------------------------|------------------------------------------------------------------------------|-----------------------------------|------------------------|---------------------------|
| Polyalkylene Glycol<br>Monobutyl Ether | Ingestion  | nervous system                       | Not classified                                                               | Rat                               | NOAEL Not available    |                           |
| 2-Butoxyethanol                        | Dermal     | endocrine system                     | Not classified                                                               | Rabbit                            | NOAEL 902<br>mg/kg     | 6 hours                   |
| 2-Butoxyethanol                        | Dermal     | liver                                | Not classified                                                               | Rabbit                            | LOAEL 72<br>mg/kg      | not available             |
| 2-Butoxyethanol                        | Dermal     | kidney and/or<br>bladder             | Not classified                                                               | Rabbit                            | LOAEL 451<br>mg/kg     | 6 hours                   |
| 2-Butoxyethanol                        | Dermal     | blood                                | Not classified                                                               | Multiple<br>animal<br>species     | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                        | Inhalation | central nervous<br>system depression | May cause drowsiness or dizziness                                            | Human                             | NOAEL Not available    |                           |
| 2-Butoxyethanol                        | Inhalation | respiratory irritation               | Some positive data exist, but the data are not sufficient for classification | Human                             | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                        | Inhalation | blood                                | Not classified                                                               | Multiple<br>animal<br>species     | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                        | Ingestion  | central nervous<br>system depression | May cause drowsiness or dizziness                                            | Professio<br>nal<br>judgeme<br>nt | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                        | Ingestion  | blood                                | Not classified                                                               | Multiple<br>animal<br>species     | NOAEL Not<br>available |                           |
| 2-Butoxyethanol                        | Ingestion  | kidney and/or<br>bladder             | Not classified                                                               | Human                             | NOAEL Not<br>available | poisoning<br>and/or abuse |

**Specific Target Organ Toxicity - repeated exposure** 

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

| Polyalkylene Glycol<br>Monobutyl Ether | Inhalation | endocrine system  <br>hematopoietic<br>system   liver                                                                                                                                                                             | Not classified                                                               | Rat                           | NOAEL 1<br>mg/l             | 2 weeks               |
|----------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------|-----------------------------|-----------------------|
|                                        |            | nervous system                                                                                                                                                                                                                    |                                                                              |                               |                             |                       |
| Polyalkylene Glycol<br>Monobutyl Ether | Inhalation | kidney and/or<br>bladder                                                                                                                                                                                                          | Not classified                                                               | Rat                           | NOAEL<br>0.005 mg/l         | 2 weeks               |
| Polyalkylene Glycol<br>Monobutyl Ether | Inhalation | respiratory system                                                                                                                                                                                                                | Not classified                                                               | Rat                           | LOAEL<br>0.001 mg/l         | 2 weeks               |
| Polyalkylene Glycol<br>Monobutyl Ether | Inhalation | heart                                                                                                                                                                                                                             | Not classified                                                               | Rat                           | NOAEL 0.5<br>mg/l           | 2 weeks               |
| Polyalkylene Glycol<br>Monobutyl Ether | Ingestion  | liver   kidney and/or<br>bladder                                                                                                                                                                                                  | Some positive data exist, but the data are not sufficient for classification | Rat                           | NOAEL 145<br>mg/kg/day      | 90 days               |
| Polyalkylene Glycol<br>Monobutyl Ether | Ingestion  | hematopoietic<br>system                                                                                                                                                                                                           | Not classified                                                               | Rat                           | NOAEL 500<br>mg/kg/day      | 2 years               |
| Polyalkylene Glycol<br>Monobutyl Ether | Ingestion  | heart   endocrine<br>system   respiratory<br>system                                                                                                                                                                               | Not classified                                                               | Rat                           | NOAEL<br>3,770<br>mg/kg/day | 90 days               |
| Fumed Silica, Crystalline<br>Free      | Inhalation | respiratory system  <br>silicosis                                                                                                                                                                                                 | Not classified                                                               | Human                         | NOAEL Not available         | occupational exposure |
| Lubricant                              | Ingestion  | heart   endocrine<br>system  <br>gastrointestinal tract<br>  bone, teeth, nails,<br>and/or hair  <br>hematopoietic<br>system   liver  <br>immune system  <br>nervous system  <br>kidney and/or<br>bladder   respiratory<br>system | Not classified                                                               | Rat                           | NOAEL<br>4,132<br>mg/kg/day | 90 days               |
| 2-Butoxyethanol                        | Dermal     | blood                                                                                                                                                                                                                             | Not classified                                                               | Multiple<br>animal<br>species | NOAEL Not available         | not available         |
| 2-Butoxyethanol                        | Dermal     | endocrine system                                                                                                                                                                                                                  | Not classified                                                               | Rabbit                        | NOAEL 150<br>mg/kg/day      | 90 days               |
| 2-Butoxyethanol                        | Inhalation | liver                                                                                                                                                                                                                             | Not classified                                                               | Rat                           | NOAEL 2.4<br>mg/l           | 14 weeks              |
| 2-Butoxyethanol                        | Inhalation | kidney and/or<br>bladder                                                                                                                                                                                                          | Not classified                                                               | Rat                           | NOAEL 0.15<br>mg/l          | 14 weeks              |
| 2-Butoxyethanol                        | Inhalation | blood                                                                                                                                                                                                                             | Not classified                                                               | Rat                           | LOAEL 0.15<br>mg/l          | 6 months              |
| 2-Butoxyethanol                        | Inhalation | endocrine system                                                                                                                                                                                                                  | Not classified                                                               | Dog                           | LOAEL 1.9<br>mg/l           | 8 days                |
| 2-Butoxyethanol                        | Ingestion  | blood                                                                                                                                                                                                                             | Not classified                                                               | Rat                           | LOAEL 69<br>mg/kg/day       | 13 weeks              |
| 2-Butoxyethanol                        | Ingestion  | kidney and/or<br>bladder                                                                                                                                                                                                          | Not classified                                                               | Multiple<br>animal<br>species | NOAEL Not<br>available      | not available         |

# **Aspiration Hazard**

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

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 waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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): Not regulated

# **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

Not applicable

### **Health Hazards**

Serious eye damage or eye irritation

# 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

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

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Health: 2 Flammability: 1 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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