

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product identifier.** 8SM/304  
**Product name.** INDURO 2K  
**UFI** No Information

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended Use.** Industrial Wood Coating  
**Uses advised against.** Professional Use Only

### 1.3. Details of the supplier of the safety data sheet

**Supplier.** Morrells Woodfinishes Ltd  
Wellington Works  
Mill Lane, Woodley  
Stockport  
SK6 1RN  
Tel: +44 (0)161 406 5300  
Fax: +44 (0)161 406 6276

EMail: enquires@morrells.co.uk

### 1.4. Emergency telephone number

Chemtrec: +1-800-424-9300 USA  
Chemtrec: +1 703-527-3887 ex-USA  
24 hrs./day, 7 days/week

**Europe** 112  
**Austria** +43 1 406 43 43  
**Belgium** Poison center (BE): +32 70 245 245  
**Denmark** Poison Control Hotline (DK): +45 82 12 12 12  
**Finland** Poison Information Centre (FI): +358 9 471 977  
**France** ORFILA (FR): + 01 45 42 59 59  
**Germany** Poison Center Berlin (DE): +49 030 30686 790 | par Poison Center Nord: +49 551 19240  
(24h available English / German)  
National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566  
**Ireland** +354 543 2222  
**Italy** Poison Center, Milan (IT): +39 02 6610 1029  
**Luxembourg** 112  
**Netherlands** National Poisons Information Center (NL): +31 88 755 8000 (NB: this service is only available to health professionals)  
Poisons Information (NO): + 47 22 591300  
**Norway** Poison Information Center (PT): +351 21 330 3284  
**Portugal** Poison Information Service (ES): +34 91 562 04 20  
**Spain** Poisons Information Center (SV): +46 8 33 12 31  
**Sweden** Poison Center: Tel 145; +41 44 251 51 51  
**Switzerland** 111 / 0300 020 0155  
**United Kingdom**

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Allergic effects

### 2.2. Label elements

**Signal Word**  
None

**Hazardous ingredients which must be listed on the label**  
Not Applicable

### Possible Hazards

10.5% of the mixture consists of ingredient(s) of unknown toxicity  
10.5% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

### GHS HAZARD STATEMENTS

**2.3. Other hazards**

EMERGENCY OVERVIEW: No Information

**SECTION 3: Composition/information on ingredients****3.1. Substances**

This product is a mixture. Health hazard information is based on its components.

**3.2. Mixtures**

| Chemical Name                       | CAS-No.    | EC No.    | Wt. %    |
|-------------------------------------|------------|-----------|----------|
| Dipropylene glycol monomethyl ether | 34590-94-8 | 252-104-2 | >=3 - <7 |
| GLYCOL ETHER PNB                    | 5131-66-8  | 225-878-4 | >=1 - <5 |
| Triethylamine                       | 121-44-8   | 204-469-4 | <1       |
| 1,2-Benzisothiazol-3(2H)-one        | 2634-33-5  | 220-120-9 | <0.1     |
| 2-(2-BUTOXYETHOXY)ETHANOL           | 112-34-5   | 203-961-6 | <1       |

| Chemical Name                       | Classification (1272/2008/EC)                                                                                                                                   | Specific Conc. Limits, M-factors and ATEs                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dipropylene glycol monomethyl ether | Not classified                                                                                                                                                  | ATE oral (mg/kg): 5350 mg/kg Rat<br>ATE dermal (mg/kg): 9500 mg/kg Rabbit                                                                                         |
| GLYCOL ETHER PNB                    | Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)                                                                                                                     | ATE oral (mg/kg): 3300 mg/kg Rat<br>ATE dermal (mg/kg): >2000 mg/kg Rat<br>ATE inhalation - vapor (mg/l/4h): N.R.                                                 |
| Triethylamine                       | Flam. Liq. 2 (H225)<br>Acute Tox. 4 Oral (H302)<br>Acute Tox. 3 Dermal (H311)<br>Skin Corr. 1A (H314)<br>Acute Tox. 3 Inhalation (H331)<br>STOT SE 3 RTI (H335) | ATE oral (mg/kg): 730 mg/kg Rat<br>ATE dermal (mg/kg): 415 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): 14.5 mg/L Rat                                        |
| 1,2-Benzisothiazol-3(2H)-one        | Acute Tox. 2 Oral (H300)<br>Skin Irrit. 2 (H315)<br>Skin Sens. 1A (H317)<br>Eye Dam. 1 (H318)<br>Aquatic Acute 1 (H400)<br>Aquatic Chronic 1 (H410)             | ATE oral (mg/kg): 4<br>ATE dermal (mg/kg): N.R.<br>ATE inhalation - vapor (mg/l/4h): N.R.<br>ATE inhalation - dust/mist (mg/l/4h): N.R.<br>M-Factors: 1           |
| 2-(2-BUTOXYETHOXY)ETHANOL           | Eye Irrit. 2 (H319)                                                                                                                                             | ATE oral (mg/kg): 5660 mg/kg Rat<br>ATE dermal (mg/kg): 2700 mg/kg Rabbit<br>ATE inhalation - vapor (mg/l/4h): N.R.<br>ATE inhalation - dust/mist (mg/l/4h): N.R. |

For the full text of the H-Statements mentioned in this Section, see Section 16

**SECTION 4: First aid measures****4.1. Description of first aid measures****General advice.**

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice. Use personal protective equipment. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin. See section 8 for more information.

**Inhalation.**

Remove from exposure, lie down. Keep victim warm and quiet. If unconscious place in recovery position and seek medical advice. Artificial respiration and/or oxygen may be necessary. Administer oxygen if breathing is difficult. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.

**Skin contact.**

Allergic symptoms may develop within 12 hours after exposure. In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse.

**Eye contact.**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May produce an allergic reaction. Do not rub affected area. Call a physician if irritation develops or persists.

**Ingestion.**

Rinse mouth. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice. Allergic symptoms may develop within 12 hours after exposure.

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

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Hives. Itching. Rashes. May cause allergic skin reaction.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes to physician.**

Treat symptomatically. May cause sensitization of susceptible persons. Effects of contact or inhalation may be delayed.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media.**

No Information

**Extinguishing media which shall not be used for safety reasons.**

None

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

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

**5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.  
Refer to protective measures listed in sections 7 and 8.

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

Evacuate personnel to safe areas. Use personal protective equipment. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and inhalation of vapors. Wash thoroughly after handling. Wear appropriate respiratory protection and protective clothing as described in Section VIII.

**Advice for emergency responders.**

Refer to protective measures listed in sections 7 and 8.

**6.2. Environmental precautions**

Do not allow material to contaminate ground water system. See Section 12 for additional Ecological information. Try to prevent the material from entering drains or water courses. Prevent further leakage or spillage if safe to do so.

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

Soak up with inert absorbent material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water. Change contaminated clothing and laundry before re-use. Wear proper personal protective clothing and equipment.

**Methods for cleaning up.**

No Information

**Other information.**

Use personal protective equipment as required.

**6.4. Reference to other sections**

See Section 8, 13 for additional information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling.

Remove and wash contaminated clothing before re-use. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Keep container closed when not in use.

#### Hygiene measures.

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

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

#### Storage Conditions.

Keep in properly labeled containers. Keep out of the reach of children. Store between 41 and 77 °F (5 - 25° C) in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

### 7.3. Specific end use(s)

#### Specific use(s).

No Information

#### Exposure scenario.

No Information Available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limit Values

| Chemical Name                                     | Austria                                                                                     | Belgium                                                                                     | Denmark                                                                                   | European Union.                                                                             | Finland                                                                                 | France                                                                                      |
|---------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Dipropylene glycol monomethyl ether<br>34590-94-8 | STEL: 100 ppm<br>STEL: 614 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 307 mg/m <sup>3</sup>   | TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup>                                                   | TWA: 50 ppm<br>TWA: 309 mg/m <sup>3</sup>                                                 | TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup>                                                   | TWA: 50 ppm<br>TWA: 310 mg/m <sup>3</sup>                                               | TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup>                                                   |
| GLYCOL ETHER PNB<br>5131-66-8                     | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                      | N.D.                                                                                        | N.D.                                                                                    | N.D.                                                                                        |
| Triethylamine<br>121-44-8                         | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup>     | STEL: 1 ppm<br>STEL: 4.14 mg/m <sup>3</sup><br>TWA: 0.5 ppm<br>TWA: 2.07 mg/m <sup>3</sup>  | TWA: 1 ppm<br>TWA: 4.1 mg/m <sup>3</sup>                                                  | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup>     | STEL: 1 ppm<br>STEL: 4.2 mg/m <sup>3</sup>                                              | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 1 ppm<br>TWA: 4.2 mg/m <sup>3</sup>     |
| 1,2-Benzisothiazol-3 (2H)-one<br>2634-33-5        | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                      | N.D.                                                                                        | N.D.                                                                                    | N.D.                                                                                        |
| 2-(2-BUTOXYETHOXY)ETHANOL<br>112-34-5             | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | TWA: 10 ppm<br>TWA: 68 mg/m <sup>3</sup>                                                  | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | TWA: 10 ppm<br>TWA: 68 mg/m <sup>3</sup>                                                | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> |
| Chemical Name                                     | Germany                                                                                     | Iceland                                                                                     | Ireland                                                                                   | Italy                                                                                       | Luxembourg                                                                              | Netherlands                                                                                 |
| Dipropylene glycol monomethyl ether<br>34590-94-8 | STEL: 50 ppm<br>STEL: 310 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 310 mg/m <sup>3</sup>    | TWA: 50 ppm<br>TWA: 300 mg/m <sup>3</sup>                                                   | STEL: 150 ppm<br>STEL: 924 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup> | TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup>                                                   | TWA: 308 mg/m <sup>3</sup><br>TWA: 50 ppm                                               | TWA: 48.7 ppm<br>TWA: 300 mg/m <sup>3</sup>                                                 |
| GLYCOL ETHER PNB<br>5131-66-8                     | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                      | N.D.                                                                                        | N.D.                                                                                    | N.D.                                                                                        |
| Triethylamine<br>121-44-8                         | STEL: 2 ppm<br>STEL: 8.4 mg/m <sup>3</sup><br>TWA: 1 ppm<br>TWA: 4.2 mg/m <sup>3</sup>      | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup>     | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup>   | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup>     | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup> | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 1 ppm<br>TWA: 4.2 mg/m <sup>3</sup>     |

| Chemical Name                                     | Germany                                                                                   | Iceland                                                                                     | Ireland                                                                                     | Italy                                                                                       | Luxembourg                                                                                  | Netherlands                                                                                 |
|---------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 1,2-Benzisothiazol-3 (2H)-one<br>2634-33-5        | N.D.                                                                                      | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        |
| 2-(2-BUTOXYETHOXY)ETHANOL<br>112-34-5             | STEL: 15 ppm<br>STEL: 100.5 mg/m <sup>3</sup><br>TWA: 67 mg/m <sup>3</sup><br>TWA: 10 ppm | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | STEL: 14.8 ppm<br>STEL: 100 mg/m <sup>3</sup><br>TWA: 7.4 ppm<br>TWA: 50 mg/m <sup>3</sup>  |
| Chemical Name                                     | Norway                                                                                    | Portugal                                                                                    | Spain                                                                                       | Sweden                                                                                      | Switzerland                                                                                 | United Kingdom                                                                              |
| Dipropylene glycol monomethyl ether<br>34590-94-8 | STEL: 75 ppm<br>STEL: 375 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 300 mg/m <sup>3</sup>  | STEL: 150 ppm<br>TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup>                                  | TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup>                                                   | STEL: 75 ppm<br>STEL: 450 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 300 mg/m <sup>3</sup>    | STEL: 50 ppm<br>STEL: 300 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 300 mg/m <sup>3</sup>    | STEL: 150 ppm<br>STEL: 924 mg/m <sup>3</sup><br>TWA: 50 ppm<br>TWA: 308 mg/m <sup>3</sup>   |
| GLYCOL ETHER PNB<br>5131-66-8                     | N.D.                                                                                      | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        |
| Triethylamine<br>121-44-8                         | STEL: 4 ppm<br>STEL: 16 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8 mg/m <sup>3</sup>       | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup>     | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8.4 mg/m <sup>3</sup>     | STEL: 3 ppm<br>STEL: 12.6 mg/m <sup>3</sup><br>TWA: 1 ppm<br>TWA: 4.2 mg/m <sup>3</sup>     | STEL: 2 ppm<br>STEL: 8.4 mg/m <sup>3</sup><br>TWA: 1 ppm<br>TWA: 4.2 mg/m <sup>3</sup>      | STEL: 4 ppm<br>STEL: 17 mg/m <sup>3</sup><br>TWA: 2 ppm<br>TWA: 8 mg/m <sup>3</sup>         |
| 1,2-Benzisothiazol-3 (2H)-one<br>2634-33-5        | N.D.                                                                                      | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        | N.D.                                                                                        |
| 2-(2-BUTOXYETHOXY)ETHANOL<br>112-34-5             | STEL: 20 ppm<br>STEL: 102 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 68 mg/m <sup>3</sup>   | STEL: 101.2 mg/m <sup>3</sup><br>STEL: 15 ppm<br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> | STEL: 15 ppm<br>STEL: 101 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 68 mg/m <sup>3</sup>     | STEL: 15 ppm<br>STEL: 101 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67 mg/m <sup>3</sup>     | STEL: 15 ppm<br>STEL: 101.2 mg/m <sup>3</sup><br>TWA: 10 ppm<br>TWA: 67.5 mg/m <sup>3</sup> |

TWA: Time weighted average

STEL: Short term exposure limit.

## EU - REACH (1906/2006) Registration Data - Derived No Effect Levels (DNELs)

| Chemical Name                       | CAS Number | DNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dipropylene glycol monomethyl ether | 34590-94-8 | general population oral systemic effects long term exposure 36 mg/kg bw/day DNEL (252-104-2); general population inhalation systemic effects long term exposure 37.2 mg/m <sup>3</sup> DNEL (252-104-2); general population dermal systemic effects long term exposure 121 mg/kg bw/day DNEL (252-104-2); workers dermal systemic effects long term exposure 283 mg/kg bw/day DNEL (252-104-2); workers inhalation systemic effects long term exposure 308 mg/m <sup>3</sup> DNEL (252-104-2)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GLYCOL ETHER PNB                    | 5131-66-8  | general population oral systemic effects long term exposure 12.5 mg/kg bw/day DNEL (225-878-4); general population dermal systemic effects long term exposure 22 mg/kg bw/day DNEL (225-878-4); general population inhalation systemic effects long term exposure 43 mg/m <sup>3</sup> DNEL (225-878-4); workers dermal local effects long term exposure 50 % in mixture (weight basis) DNEL (225-878-4); workers dermal local effects acute/short term exposure 50 % in mixture (weight basis) DNEL (225-878-4); general population dermal local effects long term exposure 50 % in mixture (weight basis) DNEL (225-878-4); general population dermal local effects acute/short term exposure 50 % in mixture (weight basis) DNEL (225-878-4); workers dermal systemic effects long term exposure 52 mg/kg bw/day DNEL (225-878-4); workers inhalation systemic effects long term exposure 147 mg/m <sup>3</sup> DNEL (225-878-4) |
| Triethylamine                       | 121-44-8   | workers inhalation systemic effects long term exposure 8.4 mg/m <sup>3</sup> DNEL (204-469-4); workers inhalation local effects long term exposure 8.4 mg/m <sup>3</sup> DNEL (204-469-4); workers dermal systemic effects long term exposure 12.1 mg/kg bw/day DNEL (204-469-4); workers inhalation systemic effects acute/short term exposure 12.6 mg/m <sup>3</sup> DNEL (204-469-4); workers inhalation local effects acute/short term exposure 12.6 mg/m <sup>3</sup> DNEL (204-469-4)                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Chemical Name                | CAS Number | DNEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,2-Benzisothiazol-3(2H)-one | 2634-33-5  | general population dermal systemic effects long term exposure 0.345 mg/kg bw/day DNEL (220-120-9); workers dermal systemic effects long term exposure 0.966 mg/kg bw/day DNEL (220-120-9); general population inhalation systemic effects long term exposure 1.2 mg/m3 DNEL (220-120-9); workers inhalation systemic effects long term exposure 6.81 mg/m3 DNEL (220-120-9)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2-(2-BUTOXYETHOXY)ETHANOL    | 112-34-5   | general population oral systemic effects long term exposure 5 mg/kg bw/day DNEL (203-961-6); general population inhalation systemic effects long term exposure 40.5 mg/m3 DNEL (203-961-6); general population inhalation local effects long term exposure 40.5 mg/m3 DNEL (203-961-6); general population dermal systemic effects long term exposure 50 mg/kg bw/day DNEL (203-961-6); general population inhalation local effects acute/short term exposure 60.7 mg/m3 DNEL (203-961-6); workers inhalation systemic effects long term exposure 67.5 mg/m3 DNEL (203-961-6); workers inhalation local effects long term exposure 67.5 mg/m3 DNEL (203-961-6); workers dermal systemic effects long term exposure 83 mg/kg bw/day DNEL (203-961-6); workers inhalation local effects acute/short term exposure 101.2 mg/m3 DNEL (203-961-6) |

#### EU - REACH (1906/2006) Registration Data - Predicted No Effect Concentrations (PNECs)

| Chemical Name                       | CAS Number | PNEC                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dipropylene glycol monomethyl ether | 34590-94-8 | 19 mg/L PNEC (freshwater, 252-104-2); 1.9 mg/L PNEC (marine water, 252-104-2); 190 mg/L PNEC (freshwater (intermittent releases), 252-104-2); 70.2 mg/kg sediment dw PNEC (sediment (freshwater), 252-104-2); 7.02 mg/kg sediment dw PNEC (sediment (marine water), 252-104-2); 4168 mg/L PNEC (sewage treatment, 252-104-2); 2.74 mg/kg soil dw PNEC (soil, 252-104-2)                                                                   |
| GLYCOL ETHER PNB                    | 5131-66-8  | 0.525 mg/L PNEC (freshwater, 225-878-4); 0.0525 mg/L PNEC (marine water, 225-878-4); 5.25 mg/L PNEC (freshwater (intermittent releases), 225-878-4); 2.36 mg/kg sediment dw PNEC (sediment (freshwater), 225-878-4); 0.236 mg/kg sediment dw PNEC (sediment (marine water), 225-878-4); 10 mg/L PNEC (sewage treatment, 225-878-4); 0.16 mg/kg soil dw PNEC (soil, 225-878-4)                                                             |
| Triethylamine                       | 121-44-8   | 0.11 mg/L PNEC (freshwater, 204-469-4); 0.011 mg/L PNEC (marine water, 204-469-4); 0.08 mg/L PNEC (freshwater (intermittent releases), 204-469-4); 1.575 mg/kg sediment dw PNEC (sediment (freshwater), 204-469-4); 0.158 mg/kg sediment dw PNEC (sediment (marine water), 204-469-4); 100 mg/L PNEC (sewage treatment, 204-469-4); 0.25 mg/kg soil dw PNEC (soil, 204-469-4)                                                             |
| 1,2-Benzisothiazol-3(2H)-one        | 2634-33-5  | 4.03 µg/L PNEC (freshwater, 220-120-9); 0.403 µg/L PNEC (marine water, 220-120-9); 1.1 µg/L PNEC (freshwater (intermittent releases), 220-120-9); 110 ng/L PNEC (marine water (intermittent releases), 220-120-9); 49.9 µg/kg sediment dw PNEC (sediment (freshwater), 220-120-9); 4.99 µg/kg sediment dw PNEC (sediment (marine water), 220-120-9); 1.03 mg/L PNEC (sewage treatment, 220-120-9); 3 mg/kg soil dw PNEC (soil, 220-120-9) |
| 2-(2-BUTOXYETHOXY)ETHANOL           | 112-34-5   | 1.1 mg/L PNEC (freshwater, 203-961-6); 0.11 mg/L PNEC (marine water, 203-961-6); 11 mg/L PNEC (freshwater (intermittent releases), 203-961-6); 56 mg/kg food PNEC (food chain, 203-961-6); 4.4 mg/kg sediment dw PNEC (sediment (freshwater), 203-961-6); 0.44 mg/kg sediment dw PNEC (sediment (marine water), 203-961-6); 200 mg/L PNEC (sewage treatment, 203-961-6); 0.32 mg/kg soil dw PNEC (soil, 203-961-6)                        |

#### EU - REACH (1906/2006) Article 59(1) - Candidate Substances of Very High Concern (SVHC)

None

#### 8.2. Exposure controls

**Engineering Measures.**

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal protective equipment.****Eye/Face Protection.**

No special protective equipment required.

**Skin and body protection.**

Protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Follow the skin protection plan. Wear suitable protective clothing.

The selected protective gloves have to satisfy the specifications of EU Regulation (EU) 2016/425 and the standard EN 374 derived from it.

**Respiratory protection.**

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Breathing apparatus with filter. Respirator with a vapor filter (EN 141).

**Environmental Exposure Controls.**

No Information

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                                               |                             |
|-----------------------------------------------|-----------------------------|
| <b>Physical state</b>                         | Liquid                      |
| <b>Appearance</b>                             | No Information              |
| <b>Colour</b>                                 | Milky                       |
| <b>Odour</b>                                  | No Information              |
| <b>Odour Threshold</b>                        | No Information              |
| <b>pH</b>                                     | No Information              |
| <b>Melting Point, °C</b>                      | No Information              |
| <b>Flash Point, °C</b>                        | 63                          |
| <b>Boiling Range, °C</b>                      | 100 - 329                   |
| <b>Combustibility</b>                         | Does not Support Combustion |
| <b>Vapor Pressure, mmHg</b>                   | No Information              |
| <b>Vapor density</b>                          | No Information              |
| <b>Specific Gravity (g/cm<sup>3</sup>)</b>    | Not Applicable              |
| <b>Solubility in water</b>                    | No Information              |
| <b>Partition Coefficient, n-octanol/water</b> | No Information              |
| <b>Auto-Ignition Temperature, °C</b>          | No Information              |
| <b>Decomposition temperature, °C</b>          | No Information              |
| <b>Viscosity</b>                              | No Information              |

**9.2. Other information**

|                                                  |               |
|--------------------------------------------------|---------------|
| <b>Volatile organic compounds (VOC) content.</b> | 108.604189142 |
|--------------------------------------------------|---------------|

**9.2.1. Information with regard to physical hazard classes**

No Information

**9.2.2. Other safety characteristics**

|                         |                          |
|-------------------------|--------------------------|
| <b>Evaporation rate</b> | No Information Available |
|-------------------------|--------------------------|

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable under normal conditions.

**10.2. Chemical stability**

To avoid thermal decomposition, do not overheat.

**10.3. Possibility of hazardous reactions**

None known based on information supplied.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Strong oxidizing agents.

**10.6. Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity.**

Based on available data, the classification criteria are not met.

**Product Information**

The product itself has not been tested

Data on individual components are tabulated below

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

ATEmix (oral) N.R.

ATEmix (dermal) N.R.

| CAS-No.    | Chemical Name                       | Oral LD50      | Dermal LD50       | Inhalation LC50 |
|------------|-------------------------------------|----------------|-------------------|-----------------|
| 34590-94-8 | Dipropylene glycol monomethyl ether | 5350 mg/kg Rat | 9500 mg/kg Rabbit | N.R.            |
| 5131-66-8  | GLYCOL ETHER PNB                    | 3300 mg/kg Rat | >2000 mg/kg Rat   | N.R.            |
| 121-44-8   | Triethylamine                       | 730 mg/kg Rat  | 415 mg/kg Rabbit  | 14.5 mg/L Rat   |
| 2634-33-5  | 1,2-Benzisothiazol-3(2H)-one        | 4              | N.R.              | N.R.            |
| 112-34-5   | 2-(2-BUTOXYETHOXY)ETHANOL           | 5660 mg/kg Rat | 2700 mg/kg Rabbit | N.R.            |

**Skin corrosion/irritation.**

May cause allergic skin reaction. SKIN IRRITANT.

**Respiratory or skin sensitization.**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**11.2. Information on other hazards****Endocrine disrupting properties**

N.A.

**Other information.**

N.A.

**SECTION 12: Ecological information****12.1. Toxicity**

4.97% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects.**

| Chemical Name                                     | Toxicity to algae                           | Toxicity to fish                          | Toxicity to daphnia.              |
|---------------------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------|
| Dipropylene glycol monomethyl ether<br>34590-94-8 | N.D.                                        | LC50 96 h Pimephales promelas >10000 mg/L | LC50 48 h Daphnia magna 1919 mg/L |
| GLYCOL ETHER PNB<br>5131-66-8                     | N.D.                                        | N.D.                                      | N.D.                              |
| Triethylamine<br>121-44-8                         | N.D.                                        | LC50 96 h Pimephales promelas 43.7 mg/L   | EC50 48 h Daphnia magna 200 mg/L  |
| 1,2-Benzisothiazol-3(2H)-one<br>2634-33-5         | N.D.                                        | N.D.                                      | N.D.                              |
| 2-(2-BUTOXYETHOXY) ETHANOL<br>112-34-5            | EC50 96 h Desmodesmus subspicatus >100 mg/L | LC50 96 h Lepomis macrochirus 1300 mg/L   | EC50 48 h Daphnia magna >100 mg/L |

**12.2. Persistence and degradability**

No data are available on the product itself

**12.3. Bioaccumulative potential**

No Information

| CAS-No.    | Chemical Name                       | Bio. Conc. Factor (BCF) | Octanol-water par. Coeff (KOW) |
|------------|-------------------------------------|-------------------------|--------------------------------|
| 34590-94-8 | Dipropylene glycol monomethyl ether | N.I.                    | 0.35                           |
| 5131-66-8  | GLYCOL ETHER PNB                    | N.I.                    | 1.2                            |
| 121-44-8   | Triethylamine                       | N.I.                    | 1.45                           |
| 2634-33-5  | 1,2-Benzisothiazol-3(2H)-one        | N.I.                    | 0.99                           |
| 112-34-5   | 2-(2-BUTOXYETHOXY)ETHANOL           | N.I.                    | 1                              |

**12.4. Mobility in soil****Mobility in soil.**

No information available

**12.5. Results of PBT and vPvB assessment**

No data are available on the product itself

**12.6. Endocrine disrupting properties**

No information available

**12.7. Other adverse effects**

No information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Waste from residues / unused products.**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Dispose of contents/container to an approved waste disposal plant.

**Contaminated packaging.**

Do not re-use empty containers.

**Other information.**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

**SECTION 14: Transport information****ADR**

|                                           |                |
|-------------------------------------------|----------------|
| <b>14.1. UN number or ID number</b>       | Not Applicable |
| <b>14.2. UN proper shipping name</b>      | Not Applicable |
| <b>14.3. Transport hazard class(es)</b>   | No Information |
| <b>14.4. Packing group</b>                | No Information |
| <b>14.5. Environmental hazards</b>        | No.            |
| <b>14.6. Special precautions for user</b> | No Information |

**IMDG**

|                                                                      |                |
|----------------------------------------------------------------------|----------------|
| <b>14.1. UN number or ID number</b>                                  | Not Applicable |
| <b>14.2. UN proper shipping name</b>                                 | Not Applicable |
| <b>14.3. Transport hazard class(es)</b>                              | No Information |
| <b>14.4. Packing group</b>                                           | No Information |
| <b>14.5 Marine Pollutant</b>                                         | No.            |
| <b>Environmental hazards</b>                                         | No.            |
| <b>14.6. Special precautions for user</b>                            | No Information |
| <b>14.7. Maritime transport in bulk according to IMO instruments</b> | No Information |

**IATA**

|                                         |                |
|-----------------------------------------|----------------|
| <b>14.1. UN number or ID number</b>     | Not Applicable |
| <b>14.2. UN proper shipping name</b>    | Not Applicable |
| <b>14.3. Transport hazard class(es)</b> | No Information |
| <b>14.4. Packing group</b>              | No Information |

14.5. Environmental hazards

No.

14.6. Special precautions for user

No Information

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulatory information.

##### French table of occupational diseases

| CAS-No.    | Chemical Name                       | French table of occupational diseases |
|------------|-------------------------------------|---------------------------------------|
| 34590-94-8 | Dipropylene glycol monomethyl ether | RG 84                                 |
| 5131-66-8  | GLYCOL ETHER PNB                    | RG 84                                 |
| 2634-33-5  | 1,2-Benzisothiazol-3(2H)-one        | RG 65                                 |
| 112-34-5   | 2-(2-BUTOXYETHOXY)ETHANOL           | RG 84                                 |

#### European Union.

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### Persistent Organic Pollutants

Not applicable

#### Authorizations and/or restrictions on use:

| CAS-No.   | Chemical Name                | Substance subject to authorization per REACH Annex XIV | Restricted substance per REACH Annex XVII |
|-----------|------------------------------|--------------------------------------------------------|-------------------------------------------|
| 5131-66-8 | GLYCOL ETHER PNB             | No.                                                    | Yes.                                      |
| 121-44-8  | Triethylamine                | No.                                                    | Yes.                                      |
| 2634-33-5 | 1,2-Benzisothiazol-3(2H)-one | No.                                                    | Yes.                                      |
| 112-34-5  | 2-(2-BUTOXYETHOXY)ETHANOL    | No.                                                    | Yes.                                      |

#### EU Substances of Very High Concern

None

#### International Inventories.

|                      |                                |
|----------------------|--------------------------------|
| <b>TSCA</b>          | Contains Non Listed Components |
| <b>DSL</b>           | Contains Non Listed Components |
| <b>EINECS/ELINCS</b> | Contains Non Listed Components |
| <b>ENCS</b>          | Contains Non Listed Components |
| <b>IECSC</b>         | Contains Non Listed Components |
| <b>KECI</b>          | Contains Non Listed Components |
| <b>PICCS</b>         | Contains Non Listed Components |
| <b>AIIC</b>          | Contains Non Listed Components |
| <b>NZIoC</b>         | Contains Non Listed Components |

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| <b>TSCA</b>          | United States Toxic Substances Control Act Section 8(b) Inventory.                                |
| <b>DSL</b>           | Canadian Domestic Substances List.                                                                |
| <b>EINECS/ELINCS</b> | European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances. |
| <b>ENCS</b>          | Japan Existing and New Chemical Substances.                                                       |
| <b>IECSC</b>         | China Inventory of Existing Chemical Substances.                                                  |
| <b>KECL</b>          | Korean Existing and Evaluated Chemical Substances.                                                |
| <b>PICCS</b>         | Philippines Inventory of Chemicals and Chemical Substances.                                       |
| <b>AIIC</b>          | Australian Inventory of Industrial Chemicals.                                                     |
| <b>NZIoC</b>         | New Zealand Inventory of Chemicals.                                                               |

### 15.2. Chemical safety assessment

No.

**SECTION 16: Other information****Revision Date** 11/25/2024**Indication of changes:** Commission Regulation (EU) 2020/878: amending Annex II by introducing specific requirements regarding nanoforms of substances, adapting to the 6th and 7th revision of the GHS, and adding requirements regarding the Unique Formula Identifier (as set by Annex VIII to Regulation (EC) 1272/2008), endocrine disrupting properties, specific concentration limits, M-factors and acute toxicity estimates.**Legend.**

|      |                           |
|------|---------------------------|
| N.D. | No data available.        |
| N.I. | No information available. |
| N.A. | Not Applicable.           |
| N.R. | Not relevant.             |

This safety datasheet complies with the requirements of Regulation (EC) No. 2020/878

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