

## Section 1: Identification

### Product identifier

**Product Name** • **Chroma/Press Wash 470**

**Product Description** • Clear liquid.

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

**Recommended use** • Liquid cleaning product

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

**Manufacturer** • IKONICS Corporation  
4832 Grand Ave.  
Duluth, MN 55807  
United States  
www.ikonics.com  
sds@ikonics.com

**Telephone (General)** • (218) 628-2217

**Telephone (General)** • (800) 328-4261 - Toll free

### Emergency telephone number

**Chemtrec** • 1-800-424-9300 - Within USA and Canada  
• +1 703-527-3887 - Outside USA and Canada (collect calls accepted)

## Section 2: Hazard Identification

### UN GHS

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

### Classification of the substance or mixture

**UN GHS** • Flammable Liquids 3  
Skin Irritation 2  
Eye Irritation 2A

### Label elements

**UN GHS**

#### WARNING



**Hazard statements** • Flammable liquid and vapor  
Causes skin irritation  
Causes serious eye irritation

### Precautionary statements

**Prevention** • Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground and/or bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.

Take precautionary measures against static discharge.  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

- Response** • IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
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.  
Specific treatment, see supplemental first aid information.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use appropriate media for extinction.

- Storage/Disposal** • Store in a well-ventilated place. Keep cool.  
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Other hazards

- UN GHS** • No data available

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## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

## Classification of the substance or mixture

- OSHA HCS 2012** • Flammable Liquids 3  
Skin Irritation 2  
Eye Irritation 2A

## Label elements

**OSHA HCS 2012**

### WARNING



- Hazard statements** • Flammable liquid and vapor  
Causes skin irritation  
Causes serious eye irritation

### Precautionary statements

- Prevention** • Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground and/or bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.

- Response** • IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
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.  
Specific treatment, see supplemental first aid information.  
Take off contaminated clothing and wash before reuse.  
In case of fire: Use appropriate media for extinction.

- Storage/Disposal** • Store in a well-ventilated place. Keep cool.  
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Other hazards

OSHA HCS 2012

- No data available

## Canada

According to: WHMIS

## Classification of the substance or mixture

WHMIS

- Combustible Liquids - B3

## Label elements

WHMIS



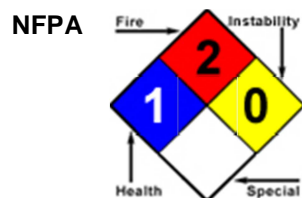
- Combustible Liquids - B3

## Other hazards

WHMIS

- No data available

## Other information



## Section 3 - Composition/Information on Ingredients

### Substances

### Mixtures

| Composition                     |  |                  |  |   |          |
|---------------------------------|--|------------------|--|---|----------|
| Chemical Name                   | Identifiers  | %                | LD50/LC50  | Classifications According to Regulation/Directive   | Comments |
| 1-Methoxy-2-propanol acetate    | CAS:108-65-6<br>EC Number:203-603-9<br>EU Index:607-195-00-7<br>EINECS:203-603-9 | 70%<br>TO<br>80% | Ingestion/Oral-Rat<br>LD50 • 8532 mg/kg<br>Skin-Rabbit LD50 • >5 g/kg    | WHMIS: Other Toxic Effects - D2B; Comb. Liq. - B3<br>UN GHS: Eye Irrit. 2A; Flam. Liq. 3<br>OSHA HCS 2012: Eye Irrit. 2A; Flam. Liq. 3                          | NDA      |
| Isobutyric acid, isobutyl ester | CAS:97-85-8<br>UN:UN2528<br>EINECS:202-612-5                                     | 10%<br>TO<br>20% |  | WHMIS:<br>UN GHS: Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2A<br>OSHA HCS 2012: Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2A                                       | NDA      |
| 1-propoxy-2-propanol            | CAS:1569-01-3<br>EC Number:216-372-4<br>EINECS:216-372-4                         | 10%<br>TO<br>20% | Ingestion/Oral-Rat<br>LD50 • 2504 mg/kg<br>Skin-Rabbit LD50 • 3550 mg/kg | WHMIS:<br>UN GHS: Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2A; Acute Tox. Oral 5<br>OSHA HCS 2012: Flam. Liq. 3; Skin Irrit. 2; Eye Irrit. 2A; Acute Tox. Oral 5 | NDA      |

See Section 11 for Toxicological Information.

## Section 4: First-Aid Measures

### Description of first aid measures

- Inhalation**
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration and call 911 or emergency medical service.
- Skin**
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- Eye**
- 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.
- Ingestion**
- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

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

- Refer to Section 11 - Toxicological Information.

### Indication of any immediate medical attention and special treatment needed

## Section 5: Fire-Fighting Measures

### Extinguishing media

- Suitable Extinguishing Media**
- SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.
  - LARGE FIRES: Water spray, fog or alcohol-resistant foam.

- Unsuitable Extinguishing Media**
- No data available

- Firefighting Procedures**
- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.  
Keep unauthorized personnel away.  
Ventilate closed spaces before entering.

### Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- Flammable; may be ignited by heat, sparks or flames.

- Hazardous Combustion Products**
- Products of combustion include: carbon oxides (CO<sub>x</sub>).

### Advice for firefighters

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.  
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.  
Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Ventilate enclosed areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not walk through spilled material.

- Emergency Procedures**
- Personal protective equipment is required for clean-up personnel. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away.

### Environmental precautions

- LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures**

- Use appropriate Personal Protective Equipment (PPE)  
Stop leak if you can do it without risk.  
Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container.

**Reference to other sections**

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

**Section 7 - Handling and Storage**

**Precautions for safe handling**

**Handling**

- Use good safety and industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

**Storage**

- Do not store near heat, sparks or open flames. Keep container closed when not in use.

**Specific end use(s)**

- Refer to Section 1.2 - Relevant identified uses.

**Section 8 - Exposure Controls/Personal Protection**

**Control parameters**

| Exposure Limits/Guidelines              |          |                              |  |                                   |   |                              |
|---|----------|------------------------------|--|-----------------------------------|---|------------------------------|
|   | Result   | Australia                    | Belgium  | Canada British Columbia           | Canada Ontario  | Denmark                      |
| 1-Methoxy-2-propanol acetate (108-65-6) | STELs    | 100 ppm STEL; 548 mg/m3 STEL | 100 ppm STEL; 550 mg/m3 STEL   | 75 ppm STEL                       | Not established   | Not established              |
|   | TWAs     | 50 ppm TWA; 274 mg/m3 TWA    | 50 ppm TWA; 275 mg/m3 TWA  | 50 ppm TWA                        | 50 ppm TWA; 270 mg/m3 TWA   | 50 ppm TWA; 275 mg/m3 TWA    |
| Exposure Limits/Guidelines (Con't.)     |          |                              |  |                                   |   |                              |
|   | Result   | Finland                      | France   | Germany DFG                       | Germany TRGS  | Ireland                      |
| 1-Methoxy-2-propanol acetate (108-65-6) | STELs    | 100 ppm STEL; 550 mg/m3 STEL | 100 ppm STEL [VLCT] (restrictive limit); 550 mg/m3 STEL [VLCT] (restrictive limit) | Not established                   | Not established   | 100 ppm STEL; 550 mg/m3 STEL |
|   | TWAs     | 50 ppm TWA; 270 mg/m3 TWA    | 50 ppm TWA [VME] (restrictive limit); 275 mg/m3 TWA [VME] (restrictive limit)      | Not established                   | 50 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 1); 270 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 1) | 50 ppm TWA; 275 mg/m3 TWA    |
|   | Ceilings | Not established              | Not established  | 50 ppm Peak; 270 mg/m3 Peak       | Not established   | Not established              |
|   | MAKs     | Not established              | Not established  | 50 ppm TWA MAK; 270 mg/m3 TWA MAK | Not established   | Not established              |

| Exposure Limits/Guidelines (Con't.)     |        |  |                           |   |                                    |   |
|---|--------|--|---------------------------|---|------------------------------------|---|
|   | Result | Italy                                    | Netherlands               | Norway  | Poland                             | Spain   |
| 1-Methoxy-2-propanol acetate (108-65-6) | TWAs   | 50 ppm TWA; 275 mg/m <sup>3</sup> TWA    | 550 mg/m <sup>3</sup> TWA | 50 ppm TWA; 270 mg/m <sup>3</sup> TWA                                 | 260 mg/m <sup>3</sup> TWA [NDS]    | 50 ppm TWA [VLA-ED] (indicative limit value); 275 mg/m <sup>3</sup> TWA [VLA-ED] (indicative limit value) |
|   | STELs  | 100 ppm STEL; 550 mg/m <sup>3</sup> STEL | Not established           | Not established   | 520 mg/m <sup>3</sup> STEL [NDSCh] | 100 ppm STEL [VLA-EC]; 550 mg/m <sup>3</sup> STEL [VLA-EC]  |
| Exposure Limits/Guidelines (Con't.)     |        |  |                           |   |                                    |   |
|   | Result | Sweden                                   |                           | Switzerland   |                                    |   |
| 1-Methoxy-2-propanol acetate (108-65-6) | MAKs   | Not established                          |                           | 50 ppm TWA [MAK]; 275 mg/m <sup>3</sup> TWA [MAK]                     |                                    |   |
|   | STELs  | 75 ppm STV; 400 mg/m <sup>3</sup> STV    |                           | 50 ppm STEL [KZW] (15 min); 275 mg/m <sup>3</sup> STEL [KZW] (15 min) |                                    |   |
|   | TWAs   | 50 ppm LLV; 250 mg/m <sup>3</sup> LLV    |                           | Not established   |                                    |   |

## Exposure Control Notations

### Australia

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (skin notation)

### Switzerland

- 1-Methoxy-2-propanol acetate (108-65-6): **Developmental Risk Groups:** (Developmental Risk Group C)

### Denmark

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin Notations:** (Potential for cutaneous absorption)

### Norway

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (Skin notation)

### Italy

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (skin - potential for cutaneous absorption)

### Belgium

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (Skin)

### Finland

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (Potential for cutaneous absorption)

### Ireland

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (Potential for cutaneous absorption)

### Spain

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (skin - potential for cutaneous exposure)

### Sweden

- 1-Methoxy-2-propanol acetate (108-65-6): **Skin:** (Skin notation)

### Germany DFG

- 1-Methoxy-2-propanol acetate (108-65-6): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)

## Exposure controls

### Engineering Measures/Controls

- Local exhaust ventilation.

### Personal Protective Equipment

#### Pictograms



#### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

#### Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

#### Hands

- Wear protective gloves - rubber or neoprene.

#### Skin/Body

- Wear protective clothing - apron or other impervious body coverings.

#### General Industrial Hygiene

#### Considerations

- Handle in accordance with good industrial hygiene and safety practice.

#### Environmental Exposure Controls

- No data available

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

| Material Description               |                                  |                                     |                    |
|------------------------------------|----------------------------------|-------------------------------------|--------------------|
| Physical Form                      | Liquid                           | Appearance/Description              | Clear liquid.      |
| Color                              | Colorless                        | Odor                                | No data available. |
| Taste                              | No data available.               | Odor Threshold                      | No data available  |
| General Properties                 |                                  |                                     |                    |
| Boiling Point                      | 310 F(154.4444 C)                | Melting Point                       | No data available  |
| Decomposition Temperature          | No data available                | pH                                  | Not relevant       |
| Density                            | 7.77 lbs/gal                     | Water Solubility                    | Appreciable        |
| Viscosity                          | No data available                | Explosive Properties                | Not relevant       |
| Oxidizing Properties:              | Not relevant                     |                                     |                    |
| Volatility                         |                                  |                                     |                    |
| Vapor Pressure                     | No data available                | Vapor Density                       | No data available  |
| Evaporation Rate                   | No data available                | VOC (Vol.)                          | 933 g/L            |
| Flammability                       |                                  |                                     |                    |
| Flash Point                        | 110 F(43.3333 C)                 | UEL                                 | No data available  |
| LEL                                | No data available                | Autoignition                        | No data available  |
| Flammability (solid, gas)          | Classification criteria not met. |                                     |                    |
| Environmental                      |                                  |                                     |                    |
| Half-Life                          | No data available                | Octanol/Water Partition coefficient | No data available  |
| Bioaccumulation Factor             | No data available                | Bioconcentration Factor             | No data available  |
| Biochemical Oxygen Demand BOD/BOD5 | No data available                | Chemical Oxygen Demand              | No data available  |
| Persistence                        | No data available                | Degradation                         | No data available  |

### Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### Reactivity

- No dangerous reaction known under conditions of normal use.

### Chemical stability

- Stable under normal temperatures and pressures.

### Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### Conditions to avoid

- Heat, sparks or open flame.

### Incompatible materials

- Strong oxidizing or reducing agents.

### Hazardous decomposition products

- No decomposition is expected under normal storage and use conditions. Hazardous decomposition products formed under fire conditions - carbon oxides (COx).

## Section 11 - Toxicological Information

### Information on toxicological effects

| Components                                   |         |  |
|--|---------|--|
| Isobutyric acid, isobutyl ester (10% TO 20%) | 97-85-8 | <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 12800 mg/kg; Skin-Rabbit LD50 • >8600 mg/kg |

|   |           |  |
|---|-----------|--|
| 1-Methoxy-2-propanol acetate (70% TO 80%) | 108-65-6  | <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 8532 mg/kg; Skin-Rabbit LD50 • >5 g/kg  |
| 1-propoxy-2-propanol (10% TO 20%)         | 1569-01-3 | <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 2504 mg/kg; <i>Behavioral: Altered sleep time (including change in righting reflex); Behavioral: Ataxia;</i> Skin-Rabbit LD50 • 3550 mg/kg;<br><b>Irritation:</b> Eye-Rabbit • 100 mg • Moderate irritation; Skin-Rabbit • 500 mg |

| GHS Properties                | Classification  |
|-------------------------------|---|
| Acute toxicity                | OSHA HCS 2012•<br>UN GHS•                                   |
| Aspiration Hazard             | OSHA HCS 2012•<br>UN GHS•                                   |
| Carcinogenicity               | OSHA HCS 2012•<br>UN GHS•                                   |
| Germ Cell Mutagenicity        | OSHA HCS 2012•<br>UN GHS•                                   |
| Skin corrosion/Irritation     | OSHA HCS 2012•Skin Irritation 2<br>UN GHS•Skin Irritation 2 |
| Skin sensitization            | OSHA HCS 2012•<br>UN GHS•                                   |
| STOT-RE                       | OSHA HCS 2012•<br>UN GHS•                                   |
| STOT-SE                       | OSHA HCS 2012•<br>UN GHS•                                   |
| Toxicity for Reproduction     | OSHA HCS 2012•<br>UN GHS•                                   |
| Respiratory sensitization     | OSHA HCS 2012•<br>UN GHS•                                   |
| Serious eye damage/Irritation | OSHA HCS 2012•Eye Irritation 2A<br>UN GHS•Eye Irritation 2A |

## Potential Health Effects

### Inhalation

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • Repeated and prolonged exposure to high concentrations of vapors or mists may cause irritation to nose and throat, loss of coordination, fatigue, drowsiness, and/or dizziness.

### Skin

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • Repeated and prolonged exposure may cause irritation.

### Eye

- Acute (Immediate)** • Causes serious eye irritation.
- Chronic (Delayed)** • Repeated and prolonged exposure may be harmful.

### Ingestion

- Acute (Immediate)** • May cause irritation.
- Chronic (Delayed)** • No specific information available.

## Section 12 - Ecological Information

### Toxicity

- No data available

### Persistence and degradability

- No data available



## Bioaccumulative potential

- No data available

## Mobility in Soil

- No data available

## Other adverse effects

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product waste

- Dispose of content in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of container in accordance with local, regional, national, and/or international regulations.

### Other Information

- Dispose of wastes in an approved waste disposal facility.

## Section 14 - Transport Information

|     | UN number | UN proper shipping name  | Transport hazard class(es) | Packing group | Environmental hazards |
|-----|-----------|--|----------------------------|---------------|-----------------------|
| DOT | NA1993    | Combustible liquids, n.o.s. (1-Methoxy-2-propanol acetate mixture) | Comb. Liq.,3               | III           | NDA                   |

#### Special precautions for user

- None specified.

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

## Section 15 - Regulatory Information

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

#### SARA Hazard Classifications • Acute

| State Right To Know             |           |     |
|---------------------------------|-----------|-----|
| Component                       | CAS       | NJ  |
| 1-Methoxy-2-propanol acetate    | 108-65-6  | No  |
| 1-propoxy-2-propanol            | 1569-01-3 | No  |
| Isobutyric acid, isobutyl ester | 97-85-8   | Yes |

| Inventory                       |           |                |            |       |           |            |
|---------------------------------|-----------|----------------|------------|-------|-----------|------------|
| Component                       | CAS       | Australia AICS | Canada DSL | China | EU EINECS | Japan ENCS |
| 1-Methoxy-2-propanol acetate    | 108-65-6  | Yes            | Yes        | Yes   | Yes       | Yes        |
| 1-propoxy-2-propanol            | 1569-01-3 | Yes            | Yes        | Yes   | Yes       | Yes        |
| Isobutyric acid, isobutyl ester | 97-85-8   | Yes            | Yes        | Yes   | Yes       | Yes        |

| Inventory (Con't.)           |           |            |             |                   |      |
|------------------------------|-----------|------------|-------------|-------------------|------|
| Component                    | CAS       | Korea KECL | New Zealand | Philippines PICCS | TSCA |
| 1-Methoxy-2-propanol acetate | 108-65-6  | Yes        | Yes         | Yes               | Yes  |
| 1-propoxy-2-propanol         | 1569-01-3 | Yes        | Yes         | Yes               | Yes  |

|                                 |         |     |     |     |     |
|---------------------------------|---------|-----|-----|-----|-----|
| Isobutyric acid, isobutyl ester | 97-85-8 | Yes | Yes | Yes | Yes |
|---------------------------------|---------|-----|-----|-----|-----|

## Australia

### Labor

#### Australia - High Volume Industrial Chemicals List

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | Not Listed |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  |            |

#### Australia - List of Designated Hazardous Substances - Classification

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | Not Listed |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | R10        |

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | B2         |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | B3         |

## China

### Other

#### China - Dangerous Goods List

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   |            |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | Not Listed |

## Denmark

### Environment

#### Denmark - Advisory List for Self-Classification of Dangerous Substances

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | N R50      |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | Not Listed |

## Europe

### Other

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | Not Listed |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | R10        |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | Not Listed |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | R:10 S:(2) |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

|                                  |           |            |
|----------------------------------|-----------|------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | Not Listed |
| •1-propoxy-2-propanol            | 1569-01-3 | Not Listed |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | S:(2)      |

## Germany

### Environment

#### Germany - Water Classification (VwVwS) - Annex 3

|                                  |           |   |
|----------------------------------|-----------|---|
| •Isobutyric acid, isobutyl ester | 97-85-8   | ID Number 5021, hazard class 2 - hazard to waters     |
| •1-propoxy-2-propanol            | 1569-01-3 | ID Number 8522, hazard class 1 - low hazard to waters |
| •1-Methoxy-2-propanol acetate    | 108-65-6  | ID Number 5033, hazard class 1 - low hazard to waters |

## Japan

### Labor

#### Japan - ISHL Dangerous Substances

|                                  |           |                     |
|----------------------------------|-----------|---------------------|
| •Isobutyric acid, isobutyl ester | 97-85-8   | Flammable substance |
| •1-propoxy-2-propanol            | 1569-01-3 | Flammable substance |

•1-Methoxy-2-propanol acetate

108-65-6

Flammable substance

#### Other

##### Japan - Fire Service Law - Hazardous Materials

•Isobutyric acid, isobutyl ester

97-85-8

Group 4 - Flammable liquids III (listed under 2nd Class petroleums - insoluble)

•1-propoxy-2-propanol

1569-01-3

Group 4 - Flammable liquids III (listed under 2nd Class petroleums - soluble)

•1-Methoxy-2-propanol acetate

108-65-6

Group 4 - Flammable liquids III (listed under 2nd Class petroleums - insoluble)

## Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

## Section 16 - Other Information

### Relevant Phrases (code & full text)

H226 - Flammable liquid and vapor

H315 - Causes skin irritation

H319 - Causes serious eye irritation

P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground and/or bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment, see supplemental first aid information.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P370+P378 - In case of fire: Use appropriate media for extinction.

P403+P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### Classification method for mixtures

- Calculation method.

### Last Revision Date

- 1 June 2015

### Preparation Date

- 10 June 2015

### Other Information

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