



## Safety Data Sheet

### 51-0038-01 Ink, Flex Caustic Washable

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 2020/878; US OSHA 29CFR 1910.1200

Version 1.1 • Date of issue: 10-5-2023

#### SECTION 1: Identification

##### 1.1 GHS Product identifier

Product name	51-0038-01 Ink, Flex Caustic Washable
Product number	51-0038-01
Brand	BestCode (REACH Registration number not relevant - mixture)

##### 1.3 Recommended use of the chemical and restrictions on use

Uses advised against - Do not use for products which come into contact with foodstuffs. Do not use for private purposes (household)

##### 1.4 Supplier's details

Name	BestCode
Address	3034 SE Loop 820 Fort Worth TX 76140 USA
Telephone	817-349-8555
email	Info@Bestcode.co

##### 1.5 Emergency phone number

Chem Tel. Inc. Toll Free	800-255-3924
International	813-248-0585

#### SECTION 2: Hazard identification

##### General hazard statement

##### Hazardous ingredients for labelling

Methanol  
Acrylic acid  
2-Propanol,  
1-Methoxy- Benzenemethanol  
N-Methyl-2-pyrrolidone  
Cyclohexanone

## 2.1 Classification of the substance or mixture

- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3
- Flammable liquids, Cat. 2
- Acute toxicity, dermal, Cat. 3
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, oral, Cat. 3
- Skin corrosion/irritation, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 1
- Toxic to reproduction, Cat. 1A

## 2.2 GHS label elements, including precautionary statements.

### Pictograms



1. Flame; 2. Skull and crossbones; 3. Health hazard

### Signal word

**Danger**

### Hazard statement(s)

H225	Highly flammable liquid and vapor
H301	Toxic if swallowed.
H311	Toxic in contact with skin
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360	May damage fertility or the unborn child [effect, route]
H370	Causes damage to organs [organs, route]

### Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/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.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear eye protection/face protection/protective gloves/protective clothing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.

P370+P378	In case of fire: Use ... to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to ...
P302+P352	IF ON SKIN: Wash with plenty of water/...
P321	Specific treatment (see ... on this label).
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P311	Call a POISON CENTER/doctor/...
P270	Do not eat, drink or smoke when using this product.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P330	Rinse mouth.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P308+P313	IF exposed or concerned: Get medical advice/attention.

**2.3 Other hazards which do not result in classification.**

None

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

**3.2 Mixtures**

**Hazardous components**

**1. Methanol**

Concentration	54 - 80.5 % (weight)
EC no.	200-659-6
CAS no.	67-56-1
Index no.	603-001-00-X
REACH registration no. (EU)	01-2119392409-28

- Flammable liquids, Cat. 2
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, dermal, Cat. 3
- Acute toxicity, oral, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 1

H225	Highly flammable liquid and vapor
H301	Toxic if swallowed.
H311	Toxic in contact with skin
H331	Toxic if inhaled.
H370	Causes damage to organs [organs, route]

**2. ACRYLIC ACID**

Concentration 0.2 % (weight)  
EC no. 201-177-9  
CAS no. 79-10-7  
Index no. 607-061-00-8  
REACH registration no. (EU) 01-2119452449-31

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, oral, Cat. 4
- Skin corrosion/irritation, Cat. 1A
- Hazardous to the aquatic environment, short-term (acute), Cat. 1

H226 Flammable liquid and vapor  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin  
H314 Causes severe skin burns and eye damage.  
H332 Harmful if inhaled.  
H400 Very toxic to aquatic life

### **3. PROPYLENE GLYCOL MONOMETHYL ETHER**

Concentration 2.985 - 7 % (weight)  
EC no. 203-539-1  
CAS no. 107-98-2  
Index no. 603-064-00-3  
REACH registration no. (EU) 01-2119475105-42

- Flammable liquids, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 3

H226 Flammable liquid and vapor  
H336 May cause drowsiness or dizziness.

### **4. DIETHYLENE GLYCOL MONOETHYL ETHER**

Concentration 0.5 - 2.997 % (weight)  
EC no. 203-919-7  
CAS no. 111-90-0  
Index no. NA  
REACH registration no. (EU) 01-2119492630-38

### **5. Benzyl alcohol**

Concentration 0.95 - 5 % (weight)  
EC no. 202-859-9  
CAS no. 100-51-6  
Index no. 603-057-00-5  
REACH registration no. (EU) 01-2119492630-38

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4

H302 Harmful if swallowed.  
H332 Harmful if inhaled.

#### **6. N-METHYL-2-PYRROLIDONE**

Concentration 0.998 - 4.99 % (weight)  
EC no. 212-828-1  
CAS no. 872-50-4  
Index no. 606-021-00-7  
REACH registration no. (EU) 01-2119472430-46

- Toxic to reproduction, Cat. 1B
- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H360D May damage the unborn child.

#### **7. Water**

Concentration 1 - 5 % (weight)  
EC no. 231-791-2  
CAS no. 7732-18-5  
Index no. NA

#### **8. CYCLOHEXANONE**

Concentration 0.0-0.5 % (weight)  
EC no. 203-631-1  
CAS no. 108-94-1  
Index no. 606-010-00-7  
REACH registration no. (EU) 01-2119453616-35-xxxx

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4

H226 Flammable liquid and vapor  
H332 Harmful if inhaled.

### **SECTION 4: First-aid measures**

#### 4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  Do not leave affected person unattended. remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.  Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

Narcotic effects

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

None

### **SECTION 5: Fire-fighting measures**

#### 5.1 Suitable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media - water jet

#### 5.2 Specific hazards arising from the chemical.

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture. Solvent vapors are heavier than air and may spread along floors. Places which are not ventilated, e.g., unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products:

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

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Methanol: Carbon oxides

### 5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

In case of fire and/or explosion do not breath fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

Avoid breathing vapor's, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapor's accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

#### Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin eyes.

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapors into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

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

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Flammable liquids

Only Packagings which are approved (e.g., acc. to the Dangerous Goods Regulations) may be used.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Substance	Methanol
CAS No.	67-56-1

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	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<a href="#">Australia</a>	200	262	250	328
<a href="#">Austria</a>	200	260	800	1040
<a href="#">Belgium</a>	200 (1)	266 (1)	250 (1)(2)	333 (1)(2)
<a href="#">Canada - Ontario</a>	200		250	
<a href="#">Canada - Québec</a>	200 (1)	262 (1)	250 (1)(2)	328 (1)(2)
<a href="#">Denmark</a>	200 (1)	260 (1)	400 (1)(2)	520 (1)(2)
<a href="#">European Union</a>	<b>200</b>	<b>260</b>		
<a href="#">Finland</a>	200	270	250 (1)	330 (1)
<a href="#">France</a>	<b>200</b>	<b>260</b>		
<a href="#">Germany (AGS)</a>	100 (1)	130 (1)	200 (1)(2)	260 (1)(2)
<a href="#">Germany (DFG)</a>	100 (1)	130 (1)	200 (1)(2)	260 (1)(2)
<a href="#">Hungary</a>		260 (1)		
<a href="#">Ireland</a>	200	260		
<a href="#">Italy</a>	200 (1)	260 (1)		
<a href="#">Japan (MHLW)</a>	200			
<a href="#">Japan (JSOH)</a>	200	260		
<a href="#">Latvia</a>	200	260		
<a href="#">New Zealand</a>	200	262	250	328
<a href="#">Norway</a>	100 (1)	130 (1)		
<a href="#">People's Republic of China</a>		25		50 (1)
<a href="#">Poland</a>		100		300 (1)
<a href="#">Romania</a>	200	260		
<a href="#">Singapore</a>	200	262	250	328
<a href="#">South Africa</a>	400 (1)		500 (1)(2)	
<a href="#">South Africa Mining</a>	200 (1)	260 (1)	250 (1)(2)	310 (1)(2)
<a href="#">South Korea</a>	200 (1)		250 (1)(2)	
<a href="#">Spain</a>	200	266	250	333
<a href="#">Sweden</a>	200	250	250 (1)	350 (1)
<a href="#">Switzerland</a>	200	260	400 (1)	520 (1)
<a href="#">The Netherlands</a>	100 (1)	133 (1)		
<a href="#">Turkey</a>	200	260		
<a href="#">USA - NIOSH</a>	200 (1)	260 (1)	250 (1)(2)	325 (1)(2)
<a href="#">USA - OSHA</a>	200	260		
<a href="#">United Kingdom</a>	200 (1)	266 (1)	250 (1)(2)	333 (1)(2)



	Remarks
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value
Canada - Québec	(1) Skin (2) 15 minutes average value
Denmark	(1) Skin (2) 15 minutes average value
European Union	<b>Bold-type: Indicative Occupational Exposure Limit Value (IOELV)</b>
Finland	(1) 15 minutes average value
France	<b>Bold type: Restrictive statutory limit values Skin</b>
Germany (AGS)	(1) Skin (2) 15 minutes average value
Germany (DFG)	(1) Skin (2) 15 minutes average value
Hungary	(1) Skin
Italy	(1) Skin
Norway	(1) Skin
People's Republic of China	(1) 15 minutes average value
Poland	(1) 15 minutes average value
Romania	
South Africa	(1) Skin (2) 15 minutes average value
South Africa Mining	(1) Skin (2) 15 minutes average value
South Korea	(1) Skin (2) 15 minutes average value
Spain	skin
Sweden	(1) 15 minutes average value
Switzerland	(1) 15 minutes average value
The Netherlands	(1) Skin
USA - NIOSH	(1) Skin (2) 15 minutes average value
United Kingdom	(1) Skin (2) 15 minutes average value

<b>Substance</b>	Acrylic acid
<b>CAS No.</b>	79-10-7

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<a href="#">Australia</a>	2	5,9		
<a href="#">Austria</a>	10	29	20 (1)	59 (1)
<a href="#">Belgium</a>	2 (1)	6 (1)	20 (1)(2)	59 (1)(2)
<a href="#">Canada - Ontario</a>	2			
<a href="#">Canada - Québec</a>	2 (1)	5,9 (1)		

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<a href="#">Denmark</a>	2 (1)	5,9 (1)	4 (1)(2)	11,8 (1)(2)
<a href="#">European Union</a>	<b>10</b>	<b>29</b>	<b>20 (1)</b>	<b>59 (1)</b>
<a href="#">Finland</a>	2	6	15 (1)	45 (1)
<a href="#">France</a>	10	29	20 (1)	59 (1)
<a href="#">Germany (AGS)</a>	10	30	10 (1)	30 (1)
<a href="#">Germany (DFG)</a>	10	30	10 (1)	30 (1)
<a href="#">Hungary</a>		29		59 (1)
<a href="#">Ireland</a>	10	29	20 (1)	59 (1)
<a href="#">Italy</a>	10 (1)	29 (1)	20 (1)(2)	59 (1)(2)
<a href="#">Latvia</a>	1,7	5	20 (1)	59 (1)
<a href="#">New Zealand</a>	2	5,9		
<a href="#">Norway</a>	10	29	20 (1)	59 (1)
<a href="#">People's Republic of China</a>		6		
<a href="#">Poland</a>		10 (1)		29,5 (1)(2)
<a href="#">Romania</a>	10	29	20 (1)	59 (1)
<a href="#">Singapore</a>	2	5,9		
<a href="#">South Africa</a>	4 (1)			
<a href="#">South Africa Mining</a>	2	6	15 (1)	45 (1)
<a href="#">South Korea</a>	2 (1)			
<a href="#">Spain</a>	10 (1)	29 (1)	20 (1)(2)	59 (1)(2)
<a href="#">Sweden</a>	10	29	20 (1)	59 (1)
<a href="#">Switzerland</a>	10	29	20 (1)	59 (1)
<a href="#">The Netherlands</a>	10	29	20 (1)	59 (1)
<a href="#">USA - NIOSH</a>	2 (1)	6 (1)		
<a href="#">United Kingdom</a>	10	29	20 (1)	59 (1)

	Remarks
Austria	(1) Ceiling limit value
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) Ceiling limit value with a reference period of 1 minute
Canada - Québec	(1) Skin
Denmark	(1) Skin (2) 15 minutes average value
European Union	(1) Ceiling limit value (reference period: 1 minute) Bold-type: Indicative Occupational Exposure Limit Value (IOELV)
Finland	(1) 15 minutes average value
France	Italic type: Indicative statutory limit values (1) Ceiling limit value (reference period: 1 minute)
Germany (AGS)	(1) 15 minutes average value

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Germany (DFG)	(1) 15 minutes average value
Hungary	(1) 15 minutes average value
Ireland	(1) 15 minutes average value
Italy	(1) Skin (2) 1 minute average value
Latvia	(1) 15 minutes average value
Norway	(1) 15 minutes average value
Poland	(1) Skin (2) 15 minutes average value
Romania	(1) 15 minutes average value
South Africa	(1) Skin
South Africa Mining	(1) 15 minutes average value
South Korea	(1) Skin
Spain	(1) Skin (2) 15 minutes average value
Sweden	(1) 1 minute average value
Switzerland	(1) 15 minutes average value
The Netherlands	1) 1 minutes average value
USA - NIOSH	(1) Skin
United Kingdom	(1) Ceiling limit value

<b>Substance</b>	1-Methoxypropan-2-ol
<b>CAS No.</b>	107-98-2

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<a href="#">Australia</a>	100	369	150	553
<a href="#">Austria</a>	50	187	50	187
<a href="#">Belgium</a>	50 (1)	184 (1)	100 (1)(2)	369 (1)(2)
<a href="#">Canada - Ontario</a>	100		150	
<a href="#">Canada - Québec</a>	100	369	150 (1)	553 (1)
<a href="#">Denmark</a>	50 (1)	185 (1)	100 (1)(2)	370 (1)(2)
<a href="#">European Union</a>	<b>100</b>	<b>375</b>	<b>150 (1)</b>	<b>568 (1)</b>
<a href="#">Finland</a>	100	370	150 (1)	560 (1)
<a href="#">France</a>	<b>50</b>	<b>188</b>	<b>100 (1)</b>	<b>375 (1)</b>
<a href="#">Germany (AGS)</a>	100	370	200 (1)	740 (1)
<a href="#">Germany (DFG)</a>	100	370	200 (1)	740 (1)
<a href="#">Hungary</a>		375 (1)		568 (1)(2)
<a href="#">Ireland</a>	100	375	150 (1)	568 (1)

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<a href="#">Israel</a>	100	369		
<a href="#">Italy</a>	100 (1)	375 (1)	150 (1)(2)	568 (1)(2)
<a href="#">Latvia</a>	100	375	150 (1)	568 (1)
<a href="#">New Zealand</a>	100	369	150	553
<a href="#">Norway</a>	50 (1)	180 (1)		
<a href="#">Poland</a>		180 (1)		360 (1)(2)
<a href="#">Romania</a>	100	375	150 (1)	568 (1)
<a href="#">South Africa</a>	100 (1)		200 (1)(2)	
<a href="#">South Africa Mining</a>	100 (1)	370 (1)	150 (1)(2)	550 (1)(2)
<a href="#">South Korea</a>	100		150 (1)	
<a href="#">Spain</a>	100	375	150	568
<a href="#">Sweden</a>	50	190	150 (1)	568 (1)
<a href="#">Switzerland</a>	100	360	200	720
<a href="#">The Netherlands</a>	100 (1)	375 (1)	150 (1)(2)	563 (1)(2)
<a href="#">Turkey</a>	100	375	150 (1)	568 (1)
<a href="#">USA - NIOSH</a>	100	360	150 (1)	540 (1)
<a href="#">United Kingdom</a>	100 (1)	375 (1)	150 (1)(2)	560 (1)(2)

	Remarks
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value
Canada - Québec	(1) 15 minutes average value
Denmark	(1) Skin (2) 15 minutes average value
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV)
Finland	(1) 15 minutes average value
France	Bold type: Restrictive statutory limit values Skin (1) 15 minutes average value
Germany (AGS)	(1) 15 minutes average value
Germany (DFG)	(1) 15 minutes average value
Hungary	(1) Skin (2) 15 minutes average value
Ireland	(1) 15 minutes reference period
Italy	(1) Skin (2) 15 minutes average value
Latvia	(1) 15 minutes average value
Norway	(1) Skin
Poland	(1) Skin (2) 15 minutes average value
Romania	(1) 15 minutes average value
South Africa	(1) Skin (2) 15 minutes average value
South Africa Mining	(1) Skin (2) 15 minutes average value

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South Korea	(1) 15 minutes average value
Spain	skin
Sweden	(1) 15 minutes average value
The Netherlands	(1) Skin (2) 15 minutes average value
Turkey	(1) 15 minutes average value
USA - NIOSH	(1) 15 minutes average value
United Kingdom	(1) Skin (2) 15 minutes average value

<b>Substance</b>	Diethylene glycol ethyl ether
<b>CAS No.</b>	111-90-0

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<a href="#">Canada - Ontario</a>	30	165		
<a href="#">Germany (AGS)</a>	6 (1)	35 (1)	12 (1)(2)	70 (1)(2)
<a href="#">Germany (DFG)</a>		50 (1)		100 (1)(2)
<a href="#">Sweden</a>	15	80	30 (1)	170 (1)
<a href="#">Switzerland</a>		50 inhalable aerosol		100 inhalable aerosol

	Remarks
Germany (AGS)	(1) Inhalable aerosol and vapor (2) 15 minutes reference period
Germany (DFG)	(1) Inhalable fraction and vapor (2) 15 minutes average value
Sweden	(1) 15 minutes average value

<b>Substance</b>	Benzyl alcohol
<b>CAS No.</b>	100-51-6

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<a href="#">Finland</a>	10	45		
<a href="#">Germany (AGS)</a>	5 (1)	22 (1)	10 (1)(2)	44 (1)(2)
<a href="#">Germany (DFG)</a>	5 (1)(2)	22 (1)(2)	10 (1)(2)(3)	44 (1)(2)(3)
<a href="#">Latvia</a>		5		
<a href="#">Poland</a>		240		
<a href="#">Switzerland</a>	5	22		

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	Remarks
Germany (AGS)	(1) Inhalable fraction and vapor (2) 15 minutes average value
Germany (DFG)	(1) Inhalable fraction and vapor (2) Skin (3) 15 minutes average value

<b>Substance</b>	N-Methyl-2-pyrrolidon
<b>CAS No.</b>	872-50-4

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<a href="#">Australia</a>	25	103	75	309
<a href="#">Austria</a>	3,6	14,4	7,2 (1)	28,8 (1)
<a href="#">Belgium</a>	10 (1)	40 (1)	20 (1)(2)	80 (1)(2)
<a href="#">Canada - Ontario</a>		400		
<a href="#">Denmark</a>	5 (1)	20 (1)	10 (1)(2)	40 (1)(2)
<a href="#">European Union</a>	<b>10 (1)</b>	<b>40 (1)</b>	<b>20 (1)(2)</b>	<b>80 (1)(2)</b>
		<b>14,4</b>		
<a href="#">Finland</a>	3,5	14	20 (1)	80 (1)
<a href="#">France</a>	10	40	20 (1)	80 (1)
<a href="#">Germany (AGS)</a>	20 (1)(2)	82 (1)(2)	40 (1)(2)(3)	164 (1)(2)(3)
<a href="#">Germany (DFG)</a>	20 (1)(2)	82 (1)(2)	40 (1)(2)(3)	164 (1)(2)(3)
<a href="#">Hungary</a>		40 (1)		80 (1)(2)
<a href="#">Ireland</a>	10	40	20 (1)	80 (1)
<a href="#">Italy</a>	10 (1)	40 (1)	20 (1)(2)	80 (1)(2)
<a href="#">Japan (JSOH)</a>	1	4		
<a href="#">Latvia</a>	10	40	20 (1)	80 (1)
<a href="#">New Zealand</a>	25	103	75	309
<a href="#">Norway</a>	5 (1)	20 (1)	20 (1)(2)	80 (1)(2)
<a href="#">Poland</a>		40 (1)		80 (1)(2)
<a href="#">Romania</a>	10	40	20 (1)	80 (1)
<a href="#">South Africa Mining</a>	25	100		
<a href="#">Spain</a>	10 (1)	40 (1)	20 (1)(2)	80 (1)(2)
<a href="#">Sweden</a>	3,6	14,4	20 (1)	80 (1)
<a href="#">Switzerland</a>	20	80	40	160
<a href="#">The Netherlands</a>	10 (1)	40 (1)	20 (1)(2)	80 (1)(2)
<a href="#">Turkey</a>	10	40	20 (1)	80 (1)
<a href="#">United Kingdom</a>	10 (1)	40 (1)	20 (1)(2)	80 (1)(2)

	Remarks
Austria	(1) 15 minutes average value
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value
Denmark	(1) Skin (2) 15 minutes average value
European Union	(1) Skin (2) 15 minutes average value <b>Bold-type: Binding Occupational Exposure Limit Value (BOELV)</b> ~ <b>Bold+Italics-type: Derived No Effect Level (DNEL)</b> according to REACH regulation annex XVII ~
Finland	(1) 15 minutes average value
France	<i>Italics type: Indicative statutory limit values</i> Skin (1) 15 minutes average value
Germany (AGS)	(1) Inhalable fraction and vapor (2) Skin (3) 15 minutes average value
Germany (DFG)	(1) Inhalable fraction and vapor (2) Skin (3) 15 minutes average value
Hungary	(1) Skin (2) 15 minutes average value
Ireland	(1) 15 minutes reference period
Italy	(1) Skin (2) 15 minutes average value
Latvia	(1) 15 minutes average value
Norway	(1) Skin (2) 15 minutes average value
Poland	(1) Skin (2) 15 minutes average value
Romania	(1) 15 minutes average value
Spain	(1) Skin (2) 15 minutes average value
Sweden	(1) 15 minutes average value
The Netherlands	(1) Skin (2) 15 minutes average value
Turkey	(1) 15 minutes average value
United Kingdom	(1) Skin (2) 15 minutes average value

<b>Substance</b>	Cyclohexanone
<b>CAS No.</b>	108-94-1

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
<a href="#">Australia</a>	25	100		
<a href="#">Austria</a>	5	20	20	80
<a href="#">Belgium</a>	10 (1)	40,8 (1)	20 (1)(2)	81,6 (1)(2)
<a href="#">Canada - Ontario</a>	20		50	
<a href="#">Canada - Québec</a>	25 (1)	100 (1)		
<a href="#">Denmark</a>	10 (1)	41 (1)	20 (1)(2)	82 (1)(2)
<a href="#">European Union</a>	<b>10</b>	<b>40,8</b>	<b>20 (1)</b>	<b>81,6 (1)</b>

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<a href="#">Finland</a>	10	41	20 (1)	82 (1)
<a href="#">France</a>	<b>10</b>	<b>40,8</b>	<b>20</b>	<b>81,6</b>
<a href="#">Germany (AGS)</a>	20 (1)	80 (1)	20 (1)(2)	80 (1)(2)
<a href="#">Hungary</a>		40,8 (1)		81,6 (1)(2)
<a href="#">Ireland</a>	10	40,8	20 (1)	81,6 (1)
<a href="#">Italy</a>	10 (1)	40,8 (1)	20 (1)(2)	81,6 (1)(2)
<a href="#">Japan (MHLW)</a>	20			
<a href="#">Japan (JSOH)</a>	25	100		
<a href="#">Latvia</a>	10	40,8	20 (1)	81,6 (1)
<a href="#">New Zealand</a>	25	100		
<a href="#">Norway</a>	10 (1)	40 (1)	20 (1)(2)	80 (1)(2)
<a href="#">People's Republic of China</a>		50		
<a href="#">Poland</a>		40 (1)		80 (1)(2)
<a href="#">Romania</a>	10	40,8	20 (1)	81,6 (1)
<a href="#">Singapore</a>	25	100		
<a href="#">South Africa</a>	40 (1)		100 (1)(2)	
<a href="#">South Africa Mining</a>	25	100	50 (1)	200 (1)
<a href="#">South Korea</a>	25 (1)		50 (1)(2)	
<a href="#">Spain</a>	10 (1)	41 (1)	20 (1)(2)	82 (1)(2)
<a href="#">Sweden</a>	10	41	20 (1)	81 (1)
<a href="#">Switzerland</a>	25	100	50	200
<a href="#">The Netherlands</a>			12,3 (1)(2)	50 (1)(2)
<a href="#">Turkey</a>	10	40,8	20 (1)	81,6 (1)
<a href="#">USA - NIOSH</a>	25 (1)	100 (1)		
<a href="#">USA - OSHA</a>	50	200		
<a href="#">United Kingdom</a>	10 (1)	41 (1)	20 (1)(2)	82 (1)(2)

	Remarks
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. (2) 15 minutes average value
Canada - Québec	(1) Skin
Denmark	(1) Skin (2) 15 minutes average value
European Union	(1) 15 minutes average value Bold-type: Indicative Occupational Exposure Limit Value (IOELV)
Finland	(1) 15 minutes average value
France	Bold type: Restrictive statutory limit values
Germany (AGS)	(1) Skin (2) 15 minutes average value
Hungary	(1) Skin (2) 15 minutes average value



Ireland	(1) 15 minutes reference period
Italy	(1) Skin (2) 15 minutes average value
Latvia	(1) 15 minutes average value
Norway	(1) Skin (2) 15 minutes average value
Poland	(1) Skin (2) 15 minutes average value
Romania	(1) 15 minutes average value
South Africa	(1) Skin (2) 15 minutes average value
South Africa Mining	(1) 15 minutes average value
South Korea	(1) Skin (2) 15 minutes average value
Spain	(1) Skin (2) 15 minutes average value
Sweden	(1) 15 minutes average value
The Netherlands	(1) Skin (2) 15 minutes average value
Turkey	(1) 15 minutes average value
USA - NIOSH	(1) Skin
United Kingdom	(1) Skin (2) 15 minutes average value

**8.2 Appropriate engineering controls**

General ventilation.

Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**

Wear eye/face protection

**Body protection**

Impervious clothing, flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environmental exposure controls**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.)	
Odor	Solvent odor
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	-97.80 C – 13.00 C
Initial boiling point and boiling range	No data – 205 C
Flash point	>12.00 C
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available
Vapor density	No data available.
Relative density	7.29 lb/Ga
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available
Decomposition temperature	
Viscosity	No data available.

### Additional properties

Physical state	Liquid
Color	Dark Purple
Explosive properties	None
Oxidizing properties	None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "conditions to avoid" and "incompatible materials". The mixture contains reactive substance(s). Risk of ignition.

If heated: Risk of ignition

### 10.2 Chemical stability

See below "conditions to avoid."

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid.

Heat, flames, and sparks. Extremes of temperature and direct sunlight. May form peroxides on prolonged storage. Date container and periodically test for peroxides. Heat, No data available.: A mixture of benzyl alcohol and 58% sulfuric acid decomposed violently when heated to 180deg.C. Benzyl alcohol containing 1.4% hydrogen bromide and 1.1% of an iron(II) salt polymerized exothermally when heated above 100°C. of an iron(II)

salt polymerized exothermally when heated above 100deg.C.

### 10.5 Incompatible materials

Oxidizers

-----

Methanol: Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

-----

Benzyl alcohol: Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

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Benzyl alcohol: Other decomposition products - No data available  
In the event of fire: see section 5

## SECTION 11: Toxicological information

**Information on toxicological effects – Acute toxicity.**

Toxicological Effects: No data available

Inhalation: Dermal. Germ cell mutagenicity. Reproductive toxicity. Aspiration hazard: Behavioral: Ataxia. Lungs, Thorax, or Respiration:Dyspnea.

Damage to fetus possible. Epidemiology: Teratogenicity: No data available. Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:

CAS# 67-56-1:

Acute toxicity, LD50, Oral, Rat, 5628. MG/KG. Result:

Behavioral: Food intake (animal).

Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

- Gigiena Truda i Professional'nye Zabolevaniya.(Labor Hygiene and Occupational Disease), Vol/p/yr: 19(11),27, 1975

Acute toxicity, LD50, Intraperitoneal, Rat, 7529. MG/KG. Result:

Lungs, Thorax, or Respiration:Acute pulmonary edema. Blood:Changes in leukocyte (WBC) count.

Related to Chronic Data - death.

-EHP, Environmental Health Perspectives., Vol/p/yr: 61,321, 1985

Acute toxicity, LD50, Intravenous, Rat, 2131. MG/KG. Result:

Kidney, Ureter, Bladder:Other changes in urine composition.

-EHP, Environmental Health Perspectives., Vol/p/yr: 61,321, 1985

Acute toxicity, LD50, Oral, Mouse, 7300. MG/KG. Result:

Behavioral: Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Dyspnea.

-Toxicology., Vol/p/yr: 25,271, 1982

Acute toxicity, LD50, Intraperitoneal, Mouse, 10765. MG/KG. Result:

Effects on Embryo or Fetus: Fetal death.

Specific Developmental Abnormalities: Other developmental abnormalities.

-EHP, Environmental Health Perspectives., Vol/p/yr: 61,321, 1985

Acute toxicity, LD50, Subcutaneous, Mouse, 9800. MG/KG. Result:  
Effects on Newborn: Growth statistics (e.g., reduced weight gain). Effects on Newborn: Delayed effects.  
-Toxicology and Applied Pharmacology, Vol/p/yr: 18,185, 1971

Acute toxicity, LD50, Intravenous, Mouse, 4710. MG/KG. Result:  
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).  
-EHP, Environmental Health Perspectives., Vol/p/yr: 61,321, 1985

Acute toxicity, LD50, Oral, Species: Monkey., 7.000 GM/KG. Result:  
Behavioral: Muscle weakness. Behavioral: Ataxia.  
Behavioral: Coma.

- Toxicology and Applied Pharmacology, Vol/p/yr: 3,202, 1961

Acute toxicity, LD50, Oral, Species: Rabbit, 14200. MG/KG. Result:  
Specific Developmental Abnormalities: Craniofacial (including nose and tongue).

Behavioral: Tremor.

Behavioral: Convulsions or effect on seizure threshold. Blood:Other changes.

-Arzneimittel-Forschung. Drug Research. (Editio Cantor Verlag,, Vol/p/yr: 22,569, 1972

Acute toxicity, LD50, Skin, Species: Rabbit, 13.00 GM/KG. Result:

Behavioral: Tremor.

Behavioral: Convulsions or effect on seizure threshold.

- Raw Material Data Handbook, Vol.1: Organic Solvents, 1974., Vol/p/yr: 1,105, 1974

Acute toxicity, LD50, Subcutaneous, Species: Rabbit, 5.000 GM/KG. Result:

Behavioral: Alteration of classical conditioning.

-Arzneimittel-Forschung. Drug Research. (Editio Cantor Verlag,, Vol/p/yr: 22,569, 1972

Acute toxicity, LD50, Intravenous, Species: Rabbit, 1200. MG/KG. Result:

Behavioral: Change in motor activity (specific assay).

-Arzneimittel-Forschung. Drug Research. (Editio Cantor Verlag,, Vol/p/yr: 22,569, 1972

### **Skin corrosion/irritation**

Skin corrosion/irritation. No data available. Serious eye damage/eye irritation no data available. Serious eye damage/eye irritation: Eyes: Rabbit.

Result: Tumorigenic:Tumors at site or application. Mild skin irritation Serious eye damage/eye irritation Eyes -Rabbit No skin irritation -24. (OECD Test Guideline 404))

Eye irritation -24. Result: Eye irritation - 24 h. No data available.

### **Chronic Toxicology Effects:**

Specific target organ toxicity - single exposure: No data available.

Specific target organ toxicity -repeated exposure: no data available. May cause drowsiness or dizziness.

Specific target organ toxicity -single exposure (Globally Harmonized System)

Inhalation: May cause respiratory irritation.

### **Carcinogenicity/Other Information:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

<b>CAS #</b>	<b>Hazardous Components (Chemical Name)</b>	<b>NTP</b>	<b>IARC</b>	<b>ACGIH</b>	<b>OSHA</b>
67-56-1	Methanol	n.a.	n.a.	n.a.	n.a.
79-10-7	Acrylic acid	n.a.	3	A4	n.a.
107-98-22	- Propanol, 1-Methoxy-	n.a.	n.a.	n.a.	n.a.
111-90-0	Diethylene glycol monoethyl ether	n.a.	n.a.	n.a.	n.a.
100-51-6	Benzenemethanol	n.a.	n.a.	n.a.	n.a.
872-50-4	N-Methyl-2-pyrrolidone	n.a.	n.a.	n.a.	n.a.
7732-18-5	Water	n.a.	n.a.	n.a.	n.a.
108-94-1	Cyclohexanone	n.a.	3	A3	n.a.

## **SECTION 12: Ecological information**

### **Toxicity**

No data available.

### **Persistence and degradability:**

No data available on product.

### **Mobility in soil**

No data available

### **Results of PBT and vPvB assessment**

Results of PBT and vPvB assessments : Does not contain a PBT-/vPvB substance in a concentration of  $\geq 0,1\%$ .

### **Other adverse effects**

No data available

## **SECTION 13: Disposal considerations**

### **Disposal methods**

#### **Product disposal**

Solvent reclamation/regeneration.

#### **Packaging disposal**

Dispose of as unused product.

### **Waste treatment**

It is a dangerous waste; only packagings which are approved (e.g., acc. to ADR) may be used. Completely emptied packages may be recycled. Handle contaminated packages in the same way as the substance itself.

**Sewage disposal**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Other disposal recommendations**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

**SECTION 14: Transport information**

**49 CFR US DOT**

UN Number: 1210

Class: 3

Packing Group: II

Proper Shipping Name: Printing ink,[flammable or] Printing ink related material [(including printing ink thinning or reducing compound),flammable]

Marine pollutant: -

Reportable quantity (RQ) - 6,196 lbs (2,813 kg) (Methyl Ethyl Ketone)

**IMDG**

UN Number: 1210

Class: 3

Packing Group: II

EMS Number: F-E,S-D

Proper Shipping Name: Printing ink,[flammable or] Printing ink related material [(including printing ink thinning or reducing compound),flammable]

**IATA**

UN Number: 1210

Class: 3

Packing Group: II

Proper Shipping Name: Printing ink,[flammable or] Printing ink related material [(including printing ink thinning or reducing compound),flammable]

**SECTION 15: Regulatory information**

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-56-1	Methanol	No	YesNA	Yes
79-10-7	Acrylic acid	No	Yes NA	Yes
107-98-22	-Propanol, 1-Methoxy-	No	No	No
111-90-0	Diethylene glycol monoethyl ether	No	No	Yes-Cat. N230
100-51-6	Benzenemethanol	No	No	No
872-50-4	N-Methyl-2-pyrrolidone	No	No	Yes
7732-18-5	Water	No	No	No
108-94-1	Cyclohexanone	No	Yes NA	No

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CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian Toxic	Canadian DSL
67-56-1	Methanol	Yes: Part 5		Yes
79-10-7	Acrylic acid	Yes: Part 1A	No	Yes
107-98-22	-Propanol, 1-Methoxy-	No	No	Yes
111-90-0	Diethylene glycol monoethyl ether	Yes		
100-51-6	Benzenemethanol			Yes
872-50-4	N-Methyl-2-pyrrolidone	Yes: Part 1A		Yes
7732-18-5	Water	No	No	Yes
108-94-1	Cyclohexanone	No	No	Yes

**California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987**

Warning this product could expose you to chemicals listed by the state of California under the safe Drinking Water and Toxic Enforcement Act of 1989 (Proposition 65) as being known to cause cancer, birth defects, and/or reproductive harm. See [www.P65warnings.a.gov](http://www.P65warnings.a.gov) for more details.

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-56-1	Methanol	CAA HAP,ODC: HAP: VHAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: Yes: RDTox.
79-10-7	Acrylic acid	CAA HAP,ODC: HAP: VHAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
107-98-2	2-Propanol, 1-Methoxy-	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
111-90-0	Diethylene glycol monoethyl ether	CAA HAP,ODC: Yes - Cat.; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No
100-51-6	Benzenemethanol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
872-50-4	N-Methyl-2-pyrrolidone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 6A; CA PROP.65: Yes: RDTox.
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
108-94-1	Cyclohexanone	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
67-56-1	Methanol	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 7-322; Japan ISHL: No; Korea ECL: Yes - KE-23193; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 145: WGK 1; Switzerland Giftliste 1: Yes - G-2063; Switzerland INNS: No; REACH: Yes - 01-2119433307-44: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No

79-10-7	Acrylic acid	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 2-984; Japan ISHL: No; Korea ECL: Yes - KE-29442; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - 2-3; Germany WHCS: Yes - 11: WGK 1; Switzerland Giftliste 1: Yes - G-2118; Switzerland INNS: No; REACH: Yes - 01-2119452449-31: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
107-98-2	2-Propanol, 1-Methoxy-	Mexico INSQ: Yes - 3092; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 7-97; Japan ISHL: No; Korea ECL: Yes - KE-23379; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 1597: WGK 1; Switzerland Giftliste 1: Yes - G-2805; Switzerland INNS: No; REACH: Yes - 01-2119457435-35: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
111-90-0	Diethylene glycol monoethyl ether	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 7-97; Japan ISHL: No; Korea ECL: Yes - KE-10467; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 101: WGK 1; Switzerland Giftliste 1: Yes - G-1496; Switzerland INNS: No; REACH: Yes - 01-2119475105-42: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
100-51-6	Benzenemethanol	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 3-1011; Japan ISHL: No; Korea ECL: Yes - KE-02570; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: Yes - Cat.; Germany WHCS: Yes - 216: WGK 1; Switzerland Giftliste 1: Yes - G-1250; Switzerland INNS: No; REACH: Yes - 01-2120905016-67: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No
872-50-4	N-Methyl-2-pyrrolidone	Mexico INSQ: Yes; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 5-113; Japan ISHL: 8-(1)-1014; Korea ECL: Yes - KE-25324; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 1181: WGK 1; Switzerland Giftliste 1: Yes - G-2530; Switzerland INNS: No; REACH: Yes - 01-2119472430-46: Full, (P), T2; Kyoto GHG: No; Rotterdam: No; Stockholm: No
108-94-1	Cyclohexanone	Mexico INSQ: Yes - 1915; Australia ICS: Yes; New Zealand IOC: Yes; China IECSC: Yes; Japan ENCS: Yes - 3-2376; Japan ISHL: No; Korea ECL: Yes - KE-09188; Philippines ICCS: Yes; Taiwan TCSCA: Yes; Singapore HSL: No; Israel HSL: No; Germany WHCS: Yes - 64: WGK 1; Switzerland Giftliste 1: Yes - G-1458; Switzerland INNS: No; REACH: Yes - 01-2119453616-35: Full, (P); Kyoto GHG: No; Rotterdam: No; Stockholm: No



**15.2 Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

Revision Date: 10-04-2023

**16.1 Further information/disclaimer**

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