

according to 1907/2006/EC, Article 31

Printing date 28.07.2021

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

- **1.1 Product identifier**
- **Trade name:** Mix- Method 8080A Pesticides
- **Article number:** N9331029
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

PerkinElmer, Inc.  
710 Bridgeport Avenue  
Shelton, Connecticut 06484 USA  
CustomerCareUS@perkinelmer.com  
203-925-4600  
PerkinElmer, Inc.  
Chalfont Road Buckinghamshire  
Seer Green HP9 2FX  
cc.uk@perkinelmer.com  
United Kingdom  
P: 0800 896 046  
F: 0800-89 17 14

PerkinElmer, Inc.  
Llantrisant Business Park, Unit A  
Llantrisant CF72 8YW  
United Kingdom  
cc.uk@perkinelmer.com  
P: 44 1443 234005

- **1.4 Emergency telephone number:**  
CHEMTREC (within US) 800-424-9300  
CHEMTREC (from outside US) +1 703-527-3887 (call collect)  
CHEMTREC (within AU) +(61)-290372994

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2      H225 Highly flammable liquid and vapour.



GHS06 skull and crossbones

Acute Tox. 1      H310 Fatal in contact with skin.

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GHS08 health hazard

Muta. 1B                      H340 May cause genetic defects.  
Carc. 1A                      H350 May cause cancer.  
STOT RE 1                  H372 Causes damage to organs through prolonged or repeated exposure.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Acute Tox. 4                  H302 Harmful if swallowed.  
Skin Irrit. 2                  H315 Causes skin irritation.  
Eye Irrit. 2                  H319 Causes serious eye irritation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms** GHS02, GHS06, GHS08, GHS09

· **Signal word** Danger

· **Hazard-determining components of labelling:**

benzene  
dieldrin (ISO)  
endrin (ISO)  
(1alpha,2beta,3alpha,4beta,5alpha,6beta)-1,2,3,4,5,6-hexachlorocyclohexane

· **Hazard statements**

H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H340 May cause genetic defects.  
H350 May cause cancer.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P210                          Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310                          Immediately call a POISON CENTER/doctor.

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- P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P361+P364 Take off immediately all contaminated clothing and wash it before reuse.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

**3.2 Chemical characterisation: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

|                                   |  |       |
|-----------------------------------|--|-------|
| CAS: 71-43-2<br>EINECS: 200-753-7 | benzene<br>Flam. Liq. 2, H225<br>Acute Tox. 1, H310<br>Muta. 1B, H340; Carc. 1A, H350; STOT RE 1, H372; Asp. Tox. 1, H304<br>Skin Irrit. 2, H315; Eye Irrit. 2, H319               | 96.4% |
| CAS: 50-29-3<br>EINECS: 200-024-3 | DDT (common name not adopted by ISO)<br>Acute Tox. 3, H301<br>Carc. 2, H351; STOT RE 1, H372<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410                                     | 0.2%  |
| CAS: 58-89-9<br>EINECS: 200-401-2 | $\gamma$ -HCH or $\gamma$ -BHC<br>Acute Tox. 3, H301<br>STOT RE 2, H373<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute Tox. 4, H312; Acute Tox. 4, H332<br>Lact., H362 | 0.2%  |
| CAS: 60-57-1<br>EINECS: 200-484-5 | dieldrin (ISO)<br>Acute Tox. 3, H301; Acute Tox. 1, H310<br>Carc. 2, H351; STOT RE 1, H372<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410                                       | 0.2%  |
| CAS: 72-20-8<br>EINECS: 200-775-7 | endrin (ISO)<br>Acute Tox. 2, H300; Acute Tox. 3, H311<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410   | 0.2%  |
| CAS: 72-54-8<br>EINECS: 200-783-0 | TDE<br>Acute Tox. 3, H301<br>Acute Tox. 4, H312  | 0.2%  |
| CAS: 76-44-8<br>EINECS: 200-962-3 | heptachlor (ISO)<br>Acute Tox. 3, H301; Acute Tox. 3, H311<br>Carc. 2, H351; STOT RE 2, H373<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410                                     | 0.2%  |

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|------------------------------------|--|--------------------|
| CAS: 309-00-2<br>EINECS: 206-215-8 | aldrin (ISO)<br><div> <div>Acute Tox. 3, H301; Acute Tox. 3, H311</div> <div>Carc. 2, H351; STOT RE 1, H372</div> <div>Aquatic Acute 1, H400; Aquatic Chronic 1, H410</div> </div> | 0.2%               |
| CAS: 319-84-6<br>EINECS: 206-270-8 | (1alpha,2alpha,3beta,4alpha,5beta,6beta)-1,2,3,4,5,6-hexachlorocyclohexane<br><div>Acute Tox. 3, H301</div>  | 0.2%               |
| CAS: 319-85-7<br>EINECS: 206-271-3 | (1alpha,2beta,3alpha,4beta,5alpha,6beta)-1,2,3,4,5,6-hexachlorocyclohexane<br><div>Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330</div>                                | 0.2%               |
| <b>Additional Components</b>       |  |                    |
| CAS: 72-43-5<br>EINECS: 200-779-9  | methoxychlor   | 0.2%               |
| CAS: 72-55-9<br>EINECS: 200-784-6  | 2,2-bis(p-chlorophenyl)-1,1-dichloroethylene<br><div>Acute Tox. 4, H302</div>  | 0.2%               |
| CAS: 319-86-8<br>EINECS: 206-272-9 | (1alpha,2alpha,3alpha,4beta,5alpha,6beta)-1,2,3,4,5,6-hexachlorocyclohexane<br><div>Acute Tox. 4, H302</div>   | 0.2%               |
| CAS: 959-98-8                      | Endosulfan I   | 0.2%               |
| CAS: 1031-07-8                     | Endosulfan   | 0.2%               |
| CAS: 7421-93-4                     | ENDRIN ALDEHYDE  | 0.2%               |
| CAS: 28044-83-9                    | Heptachlor Epoxide Isomer B  | 0.2%               |
| CAS: 33213-65-9                    | beta-endosulfan  | 0.2%               |
| CAS: 53494-70-5                    | 2Endrin ketone   | 0.2%               |

Additional information: For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

After inhalation: In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Prevent seepage into sewage system, workpits and cellars.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store receptacle in a well ventilated area.  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.

### · **Ingredients with limit values that require monitoring at the workplace:**

#### **71-43-2 benzene**

|     |   |
|-----|---|
| WEL | Long-term value: 3.25 mg/m <sup>3</sup> , 1 ppm<br>Carc; Sk |
|-----|---|

- **Additional information:** The lists valid during the making were used as basis.

### · **8.2 Exposure controls**

#### · **Personal protective equipment:**

#### · **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Store protective clothing separately.  
Avoid contact with the eyes and skin.

#### · **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### · **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### · **Eye protection:**



Tightly sealed goggles

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## SECTION 9: Physical and chemical properties

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

#### · General Information

#### · Appearance:

|                  |                 |
|------------------|-----------------|
| Form:            | Liquid          |
| Colour:          | Transparent     |
| Odour:           | Characteristic  |
| Odour threshold: | Not determined. |

|           |                 |
|-----------|-----------------|
| pH-value: | Not determined. |
|-----------|-----------------|

#### · Change in condition

|  |       |
|--|-------|
| Melting point/freezing point:            | 6 °C  |
| Initial boiling point and boiling range: | 80 °C |

|              |        |
|--------------|--------|
| Flash point: | -11 °C |
|--------------|--------|

|                            |                 |
|----------------------------|-----------------|
| Flammability (solid, gas): | Not applicable. |
|----------------------------|-----------------|

|                       |        |
|-----------------------|--------|
| Ignition temperature: | 555 °C |
|-----------------------|--------|

|                            |                 |
|----------------------------|-----------------|
| Decomposition temperature: | Not determined. |
|----------------------------|-----------------|

|                            |                              |
|----------------------------|------------------------------|
| Auto-ignition temperature: | Product is not selfigniting. |
|----------------------------|------------------------------|

|                       |   |
|-----------------------|---|
| Explosive properties: | Product is not explosive. However, formation of explosive air/vapour mixtures are possible. |
|-----------------------|---|

#### · Explosion limits:

|        |           |
|--------|-----------|
| Lower: | 1.2 Vol % |
| Upper: | 8 Vol %   |

|                           |         |
|---------------------------|---------|
| Vapour pressure at 20 °C: | 100 hPa |
|---------------------------|---------|

|                   |                        |
|-------------------|------------------------|
| Density at 20 °C: | 1.54 g/cm <sup>3</sup> |
| Relative density  | Not determined.        |
| Vapour density    | Not determined.        |
| Evaporation rate  | Not determined.        |

|  |         |
|--|---------|
| Solubility in / Miscibility with water at 20 °C: | 0.7 g/l |
|--|---------|

|   |                 |
|---|-----------------|
| Partition coefficient: n-octanol/water: | Not determined. |
|---|-----------------|

#### · Viscosity:

|            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

#### · Solvent content:

|                   |        |
|-------------------|--------|
| Organic solvents: | 96.4 % |
|-------------------|--------|

|                 |       |
|-----------------|-------|
| Solids content: | 1.6 % |
|-----------------|-------|

|                       |  |
|-----------------------|--|
| 9.2 Other information | No further relevant information available. |
|-----------------------|--|

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## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**  
Harmful if swallowed.  
Fatal in contact with skin.

### · LD/LC50 values relevant for classification:

#### 71-43-2 benzene

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 4894 mg/kg (rat)  |
| Dermal     | LD50     | 48 mg/kg (mouse)  |
| Inhalative | LC50/4 h | 9980 mg/l (mouse) |

#### 50-29-3 DDT (common name not adopted by ISO)

|        |      |                  |
|--------|------|------------------|
| Oral   | LD50 | 113 mg/kg (rat)  |
| Dermal | LD50 | 2510 mg/kg (rat) |

#### 58-89-9 $\gamma$ -HCH or $\gamma$ -BHC

|        |      |                 |
|--------|------|-----------------|
| Oral   | LD50 | 88 mg/kg (rat)  |
| Dermal | LD50 | 900 mg/kg (rat) |

#### 60-57-1 dieldrin (ISO)

|        |      |                |
|--------|------|----------------|
| Oral   | LD50 | 38 mg/kg (rat) |
| Dermal | LD50 | 10 mg/kg (rat) |

#### 72-20-8 endrin (ISO)

|        |      |                |
|--------|------|----------------|
| Oral   | LD50 | 7 mg/kg (rat)  |
| Dermal | LD50 | 60 mg/kg (rat) |

#### 76-44-8 heptachlor (ISO)

|        |      |                 |
|--------|------|-----------------|
| Oral   | LD50 | 100 mg/kg (rat) |
| Dermal | LD50 | 159 mg/kg (rat) |

#### 309-00-2 aldrin (ISO)

|        |      |                |
|--------|------|----------------|
| Oral   | LD50 | 46 mg/kg (rat) |
| Dermal | LD50 | 98 mg/kg (rat) |

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.

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- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity**  
May cause genetic defects.
- **Carcinogenicity**  
May cause cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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## SECTION 14: Transport information

|   |   |
|---|---|
| · 14.1 UN-Number  | UN3021  |
| · ADR, IMDG, IATA   |   |
| · 14.2 UN proper shipping name  | 3021 PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. (BENZENE, endrin (ISO)), ENVIRONMENTALLY HAZARDOUS |
| · ADR   |   |
| · IMDG  | PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. (BENZENE, endrin (ISO)), MARINE POLLUTANT               |
| · IATA  | PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. (BENZENE, endrin (ISO))                                 |
| · 14.3 Transport hazard class(es)   |   |
| · ADR   |   |
|   |   |
|   |   |
|   |   |
| · Class   | 3 (FT2) Flammable liquids.  |
| · Label   | 3+6.1   |
| · IMDG  |   |
|  |   |
|  |   |
|  |   |
| · Class   | 3 Flammable liquids.  |
| · Label   | 3/6.1   |
| · IATA  |   |
|  |   |
|  |   |
| · Class   | 3 Flammable liquids.  |
| · Label   | 3 (6.1)   |
| · 14.4 Packing group  | I   |
| · ADR, IMDG, IATA   |   |
| · 14.5 Environmental hazards:   | Product contains environmentally hazardous substances: aldrin (ISO)                                 |
| · Marine pollutant:   | Yes   |
| · Special marking (ADR):  | Symbol (fish and tree)  |
| · 14.6 Special precautions for user   | Warning: Flammable liquids.   |
| · Hazard identification number (Kemler code):                                       | 336   |
| · EMS Number:   | F-E,S-D   |

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|  |  |
|--|--|
| · <b>Stowage Category</b>  | B  |
| · <b>Stowage Code</b>  | SW2 Clear of living quarters.  |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.  |
| · <b>Transport/Additional information:</b>                                       |  |
| · <b>ADR</b>   |  |
| · <b>Limited quantities (LQ)</b>   | 0  |
| · <b>Excepted quantities (EQ)</b>  | Code: E0<br>Not permitted as Excepted Quantity   |
| · <b>Transport category</b>  | 1  |
| · <b>Tunnel restriction code</b>   | C/E  |
| · <b>IMDG</b>  |  |
| · <b>Limited quantities (LQ)</b>   | 0  |
| · <b>Excepted quantities (EQ)</b>  | Code: E0<br>Not permitted as Excepted Quantity   |
| · <b>UN "Model Regulation":</b>  | UN 3021 PESTICIDE, LIQUID, FLAMMABLE, TOXIC, N.O.S. (BENZENE, ENDRIN (ISO)), 3 (6.1), I, ENVIRONMENTALLY HAZARDOUS |

**SECTION 15: Regulatory information**

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

|                                   |  |       |
|-----------------------------------|--|-------|
| CAS: 71-43-2<br>EINECS: 200-753-7 | benzene<br>Flam. Liq. 2, H225<br>Acute Tox. 1, H310<br>Muta. 1B, H340; Carc. 1A, H350; STOT RE 1, H372; Asp. Tox. 1, H304<br>Skin Irrit. 2, H315; Eye Irrit. 2, H319 | 96.4% |
| CAS: 50-29-3<br>EINECS: 200-024-3 | DDT (common name not adopted by ISO)<br>Acute Tox. 3, H301<br>Carc. 2, H351; STOT RE 1, H372<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410                       | 0.2%  |
| CAS: 58-89-9<br>EINECS: 200-401-2 | γ-HCH or γ-BHC<br>Acute Tox. 3, H301<br>STOT RE 2, H373<br>Aquatic Acute 1, H400; Aquatic Chronic 1, H410<br>Acute Tox. 4, H312; Acute Tox. 4, H332<br>Lact., H362   | 0.2%  |

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**  
H1 ACUTE TOXIC  
E2 Hazardous to the Aquatic Environment  
P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5 t

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· **Qualifying quantity (tonnes) for the application of upper-tier requirements 20 t**

· **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

|            |  |                            |
|------------|--|----------------------------|
| 50-29-3    | DDT (common name not adopted by ISO)   | Annex I Part A<br>Annex IV |
| 58-89-9    | $\gamma$ -HCH or $\gamma$ -BHC   | Annex I Part A<br>Annex IV |
| 60-57-1    | dieldrin (ISO)   | Annex I Part A<br>Annex IV |
| 72-20-8    | endrin (ISO)   | Annex I Part A<br>Annex IV |
| 76-44-8    | heptachlor (ISO)   | Annex I Part A<br>Annex IV |
| 309-00-2   | aldrin (ISO)   | Annex I Part A<br>Annex IV |
| 319-84-6   | (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\beta$ ,6 $\beta$ )-1,2,3,4,5,6-hexachlorocyclohexane | Annex I Part A<br>Annex IV |
| 319-85-7   | (1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,4 $\beta$ ,5 $\alpha$ ,6 $\beta$ )-1,2,3,4,5,6-hexachlorocyclohexane | Annex I Part A<br>Annex IV |
| 959-98-8   | Endosulfan I   | Annex I Part A<br>Annex IV |
| 33213-65-9 | $\beta$ -endosulfan  | Annex I Part A<br>Annex IV |

· **REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 5, 28, 29, 72**

· **Regulation (EU) No 649/2012**

|          |  |                                  |
|----------|--|----------------------------------|
| 71-43-2  | benzene  | Annex I Part 1                   |
| 50-29-3  | DDT (common name not adopted by ISO)   | Annex I Part 3<br>Annex V Part 1 |
| 58-89-9  | $\gamma$ -HCH or $\gamma$ -BHC   | Annex I Part 3<br>Annex V Part 1 |
| 60-57-1  | dieldrin (ISO)   | Annex I Part 3<br>Annex V Part 1 |
| 72-20-8  | endrin (ISO)   | Annex V Part 1                   |
| 76-44-8  | heptachlor (ISO)   | Annex I Part 3<br>Annex V Part 1 |
| 309-00-2 | aldrin (ISO)   | Annex I Part 3<br>Annex V Part 1 |
| 319-84-6 | (1 $\alpha$ ,2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\beta$ ,6 $\beta$ )-1,2,3,4,5,6-hexachlorocyclohexane | Annex V Part 1                   |
| 319-85-7 | (1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,4 $\beta$ ,5 $\alpha$ ,6 $\beta$ )-1,2,3,4,5,6-hexachlorocyclohexane | Annex V Part 1                   |

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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according to 1907/2006/EC, Article 31

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- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**  
Carcinogenic hazardous material group III (dangerous).
- **Information about limitation of use:**  
Workers are not allowed to be exposed to this hazardous material. Exceptions can be made by the authorities in certain cases.  
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
- **Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

**Disclaimer**

The information provided in this Material Safety Data Sheet is based on our present knowledge, and believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be considered a warranty or quality specification. All materials may present unknown hazards, and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards which exist. PerkinElmer Life and Analytical Sciences shall not be held liable for any damage resulting from handling or from contact with the product.

· **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H300 Fatal if swallowed.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H351 Suspected of causing cancer.
- H362 May cause harm to breast-fed children.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

· **Department issuing SDS:**

Environmental, Health and Safety  
PerkinElmer  
Chalfont Road  
Buckinghamshire  
Seer Green

(Contd. on page 14)

according to 1907/2006/EC, Article 31

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Revision: 28.07.2021

**Trade name: Mix- Method 8080A Pesticides**

(Contd. of page 13)

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· **Contact:**

Within the USA: 1-(800)-762-4000

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· **Abbreviations and acronyms**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 1: Acute toxicity – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1A: Carcinogenicity – Category 1A

Carc. 2: Carcinogenicity – Category 2

Lact.: Reproductive toxicity – effects on or via lactation

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· **\* Data compared to the previous version altered.**