

# SAFETY DATA SHEET

## Sportak® 450 EC



Version	Revision Date:	SDS Number:	Date of last issue: -
1.3	2024/10/17	50000536	Date of first issue: 2017/07/17

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sportak® 450 EC

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

Recommended use : Can be used as fungicide only.

Restrictions on use : Use as recommended by the label.

#### Manufacturer or supplier's details

Company : FMC Corporation

Address : 2929 Walnut Street  
Philadelphia PA 19104  
USA

Telephone : (215) 299-6000

E-mail address : SDS-Info@fmc.com

Emergency telephone : For leak, fire, spill or accident emergencies, call:  
001-803-017-9114 (CHEMTREC)  
1 703 / 741-5970 (CHEMTREC - International)

Medical emergency:  
0800 140 1447

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3

Acute toxicity (Oral) : Category 4

Serious eye damage/eye irritation : Category 2A

Specific target organ toxicity - single exposure : Category 3 (Respiratory system)

Specific target organ toxicity - repeated exposure (Inhalation) : Category 2 (hearing organs)

Aspiration hazard : Category 1

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Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 1

### GHS label elements

Hazard pictograms :



Signal Word : DANGER

Hazard Statements : H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure if inhaled.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**  
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.  
P260 Do not breathe mist or vapors.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P314 Get medical advice/ attention if you feel unwell.  
P331 Do NOT induce vomiting.

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

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P391 Collect spillage.

### Storage:

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.

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

None known.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
prochloraz (ISO)	67747-09-5	>= 30 -< 60
xylene	1330-20-7	>= 25 -< 30
ethylbenzene	100-41-4	>= 2,5 -< 10
Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts	68953-96-8	>= 3 -< 10
1-methoxy-2-propanol	107-98-2	< 10
2-methylpropan-1-ol	78-83-1	>= 1 -< 3

## 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.

If inhaled : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.  
If experiencing any discomfort, immediately remove from exposure. Light cases: Keep person under surveillance. Get medical attention immediately if symptoms develop. Serious cases: Get medical attention immediately or call for an ambulance.

In case of skin contact : Take off all contaminated clothing immediately.

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- Wash contaminated clothing before re-use.  
Wash off immediately with plenty of water for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed.  
May be fatal if swallowed and enters airways.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure if inhaled.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
Avoid inhalation, ingestion and contact with skin and eyes.  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet  
Do not spread spilled material with high-pressure water streams.
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Chlorine compounds
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

Special protective equipment : Firefighters should wear protective clothing and self-contained for fire-fighters breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.  
For disposal considerations see section 13.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).  
Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national

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regulations.

Conditions for safe storage : No smoking.  
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.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
xylene	1330-20-7	NAB	100 ppm 434 mg/m <sup>3</sup>	ID OEL
		Further information: Not classified as carcinogenic to humans. Not enough data to classify these materials as carcinogenic to humans or animals		
		PSD	150 ppm 651 mg/m <sup>3</sup>	ID OEL
		Further information: Not classified as carcinogenic to humans. Not enough data to classify these materials as carcinogenic to humans or animals		
ethylbenzene	100-41-4	TWA	20 ppm	ACGIH
		NAB	20 ppm	ID OEL
1-methoxy-2-propanol	107-98-2	Further information: Confirmed animal carcinogen.		
		TWA	20 ppm	ACGIH
		NAB	100 ppm	ID OEL
		PSD	150 ppm	ID OEL
2-methylpropan-1-ol	78-83-1	TWA	50 ppm	ACGIH
		STEL	100 ppm	ACGIH
		NAB	50 ppm 152 mg/m <sup>3</sup>	ID OEL
		TWA	50 ppm	ACGIH

## Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
xylene	1330-20-7	Methylhippuric acids	Urine	End of shift (As soon as possible after	1.5 g/g creatinine	ACGIH BEI

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				exposure ceases)		
ethylbenzene	100-41-4	Sum of mandelic acid and phenyl glyoxylic acid	Urine	End of shift (As soon as possible after exposure ceases)	0.15 g/g creatinine	ACGIH BEI

### Personal protective equipment

- Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
- Hand protection  
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.
- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Protective measures : Plan first aid action before beginning work with this product. Always have on hand a first-aid kit, together with proper instructions.  
Ensure that eye flushing systems and safety showers are located close to the working place.  
Wear suitable protective equipment.  
In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : suspension
- Color : yellowish-brown

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Odor	:	aromatic
Odor Threshold	:	No data available
pH	:	7 - 8 In a 1% aqueous dispersion
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	28 °C
Self-ignition	:	> 480 °C
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	0,98 g/cm <sup>3</sup> (20 °C)
Bulk density	:	No data available
Solubility(ies)		
Water solubility	:	dispersible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive



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Oxidizing properties : Non-oxidizing

Particle size : No data available

### 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.  
Vapors may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.  
Avoid formation of aerosol.

Incompatible materials : Avoid strong acids, bases, and oxidizers.

Hazardous decomposition products : Nitrogen oxides (NO<sub>x</sub>)  
Carbon oxides  
Hydrogen chloride gas

### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if swallowed.

#### Product:

Acute oral toxicity : LD50 (Rat, female): 2.263 mg/kg  
Method: OECD Test Guideline 401

LD50 (Rat, male): 1.715 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rat, male and female): > 4.100 mg/kg  
Method: OECD Test Guideline 402

#### Components:

##### prochloraz (ISO):

Acute oral toxicity : LD50 (Rat, female): ca. 1.010 mg/kg  
Method: OECD Test Guideline 425  
Symptoms: Breathing difficulties  
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 2,16 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

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Method: OECD Test Guideline 403

Symptoms: Breathing difficulties

GLP: yes

Remarks: no mortality

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Symptoms: Irritation  
GLP: yes  
Assessment: The component/mixture is minimally toxic after single contact with skin.  
Remarks: no mortality

**xylene:**

Acute oral toxicity : LD50 (Rat, male): 3.523 mg/kg  
Method: Regulation (EC) No. 440/2008, Annex, B.1 bis  
  
LD50 (Rat, female): > 4.000 mg/kg  
Method: Regulation (EC) No. 440/2008, Annex, B.1 bis

Acute inhalation toxicity : LC50 (Rat, male and female): 27,6 mg/l, 6350 ppm  
Exposure time: 4 h  
Test atmosphere: vapor  
Method: Regulation (EC) No. 440/2008, Annex, B.2

Acute dermal toxicity : LD50 (Rabbit, male): > 4.200 mg/kg

**ethylbenzene:**

Acute oral toxicity : LD50 Oral (Rat, male and female): 3.500 mg/kg  
  
Acute inhalation toxicity : LC50 (Rat): 17,8 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : LD50 (Rabbit, male): 15.400 mg/kg

**Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:**

Acute oral toxicity : LD0 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 401  
Remarks: no mortality  
  
Acute dermal toxicity : LD50 (Rat, male and female): > 1.000 - 1.600 mg/kg  
Method: OECD Test Guideline 402

**1-methoxy-2-propanol:**

Acute oral toxicity : LD50 Oral (Rat, male): 3.739 mg/kg  
  
LD50 Oral (Rat, female): 4.277 mg/kg  
  
Acute inhalation toxicity : LC0 (Rat, male and female): > 25,8 mg/l, > 7000 ppm  
Exposure time: 6 h

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Test atmosphere: vapor  
Remarks: no mortality

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2.000 mg/kg  
Remarks: no mortality

### 2-methylpropan-1-ol:

Acute oral toxicity : LD50 (Rat): 3.350 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 18,18 mg/l  
Exposure time: 6 h  
Test atmosphere: vapor  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): 2.460 mg/kg

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

Remarks : May cause skin irritation in susceptible persons.

#### Components:

##### prochloraz (ISO):

Species : Rabbit  
Assessment : No skin irritation  
Method : OECD Test Guideline 404  
Result : No skin irritation  
GLP : yes

##### xylene:

Species : Rabbit  
Result : Skin irritation  
Remarks : Based on data from similar materials

##### ethylbenzene:

Species : Rabbit  
Remarks : Moderate skin irritation

##### Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:

Species : Rabbit  
Result : Skin irritation

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### 1-methoxy-2-propanol:

Species	: Rabbit
Result	: No skin irritation

### 2-methylpropan-1-ol:

Species	: Rabbit
Result	: Skin irritation

### Serious eye damage/eye irritation

Causes serious eye irritation.

#### Product:

Species	: Rabbit
Result	: Irritation to eyes, reversing within 21 days
Method	: OECD Test Guideline 405

Remarks	: May cause irreversible eye damage.
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#### Components:

##### prochloraz (ISO):

Species	: Rabbit
Result	: Slight or no eye irritation
Assessment	: Not classified as irritant
Method	: OECD Test Guideline 405
GLP	: yes

##### xylene:

Species	: Rabbit
Result	: Moderate eye irritation

##### ethylbenzene:

Species	: Rabbit
Result	: No eye irritation

### Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:

Species	: Rabbit
Result	: Irreversible effects on the eye

### 1-methoxy-2-propanol:

Species	: Rabbit
Result	: No eye irritation

### 2-methylpropan-1-ol:

Species	: Rabbit
Result	: Irreversible effects on the eye

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**Respiratory or skin sensitization****Skin sensitization**

Not classified based on available information.

**Respiratory sensitization**

Not classified based on available information.

**Product:**

Test Type	: Buehler Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Not a skin sensitizer.

**Components:****prochloraz (ISO):**

Test Type	: Local lymph node assay (LLNA)
Species	: mice
Assessment	: Not a skin sensitizer.
Method	: OECD Test Guideline 429
Result	: Not a skin sensitizer.

**xylene:**

Test Type	: Local lymph node assay (LLNA)
Routes of exposure	: Skin contact
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: Does not cause skin sensitization.

**Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:**

Test Type	: Maximization Test
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitization.

**1-methoxy-2-propanol:**

Test Type	: Maximization Test
Routes of exposure	: Intradermal
Species	: Guinea pig
Result	: Does not cause skin sensitization.

**2-methylpropan-1-ol:**

Routes of exposure	: Skin contact
Result	: Not a skin sensitizer.

**Germ cell mutagenicity**

Not classified based on available information.

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**Components:****prochloraz (ISO):**

- Genotoxicity in vitro : Test Type: reverse mutation assay  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes
- Test system: mouse lymphoma cells  
Metabolic activation: with and without metabolic activation  
Result: negative
- Genotoxicity in vivo : Test Type: Micronucleus test  
Species: mice (male and female)  
Application Route: Oral  
Method: OECD Test Guideline 474  
Result: negative  
GLP: yes
- Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

**xylene:**

- Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Method: Regulation (EC) No. 440/2008, Annex, B.10  
Result: negative
- Test Type: sister chromatid exchange assay  
Test system: Chinese hamster ovary cells  
Result: negative
- Genotoxicity in vivo : Test Type: Rodent Dominant Lethal Assay  
Species: Mouse (male)  
Application Route: Intraperitoneal injection  
Method: OECD Test Guideline 478  
Result: negative
- ethylbenzene:**
- Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative
- Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Method: OECD Test Guideline 474  
Result: negative

**Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:**

- Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Result: negative

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Remarks: Based on data from similar materials

Test Type: reverse mutation assay  
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)  
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Application Route: Oral  
Result: negative  
Remarks: Based on data from similar materials

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### 1-methoxy-2-propanol:

Genotoxicity in vitro : Test Type: reverse mutation assay  
Result: negative

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster ovary cells  
Result: negative

Test Type: gene mutation test  
Test system: Chinese hamster fibroblasts  
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse (male and female)  
Cell type: Bone marrow  
Application Route: Intraperitoneal injection  
Result: negative

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

### 2-methylpropan-1-ol:

Genotoxicity in vitro : Result: negative

Genotoxicity in vivo : Result: negative

### Carcinogenicity

Not classified based on available information.

### Components:

#### prochloraz (ISO):

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

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### **xylene:**

Species	: Rat
Application Route	: Oral
Exposure time	: 103 weeks
Result	: negative

### **ethylbenzene:**

Species	: Mouse, male and female
Application Route	: Inhalation
Exposure time	: 104 weeks
Result	: positive

### **1-methoxy-2-propanol:**

Species	: Rat, male and female
Application Route	: inhalation (vapor)
Exposure time	: 2 years
Dose	: 300, 1000, 3000 ppm
	: 300 ppm
Method	: OECD Test Guideline 453
Result	: negative

Species	: Mouse, male and female
Application Route	: inhalation (vapor)
Exposure time	: 2 years
Dose	: 300, 1000, 3000 ppm
	: 1.000 ppm
Method	: OECD Test Guideline 453
Result	: negative

Carcinogenicity - Assessment	: Weight of evidence does not support classification as a carcinogen
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### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

#### **prochloraz (ISO):**

Reproductive toxicity - Assessment	: No toxicity to reproduction
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### **xylene:**

Effects on fertility	: Test Type: Two-generation study
	Species: Rat
	Application Route: inhalation (vapor)
	General Toxicity F1: NOAEC: 2,171 mg/l
	Result: negative
	Remarks: Based on data from similar materials

Effects on fetal development	: Test Type: Pre-natal
	Species: Rat



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Application Route: inhalation (vapor)  
Symptoms: Maternal effects.  
Result: negative  
Remarks: Based on data from similar materials

### ethylbenzene:

Effects on fertility : Species: Rat, male and female  
Application Route: Inhalation  
Method: OECD Test Guideline 415  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat, female  
Application Route: Inhalation  
Method: OECD Test Guideline 414  
Result: negative

### Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:

Effects on fertility : Test Type: Three-generation study  
Species: Rat, male and female  
Application Route: Oral  
Dose: 14, 70, 350 mg/kg bw d  
General Toxicity Parent: NOAEL: 350 mg/kg body weight  
General Toxicity F1: NOAEL: 350 mg/kg bw/day  
General Toxicity F2: NOAEL: 350 mg/kg bw/day  
Result: negative  
Remarks: Based on data from similar materials

Effects on fetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat  
Application Route: Oral  
Dose: 0.2, 2.0, 300 and 600 mg/kg  
Duration of Single Treatment: 20 d  
General Toxicity Maternal: LOAEL: 600 mg/kg body weight  
Teratogenicity: LOAEL: 600 mg/kg bw/day  
Result: negative  
Remarks: Based on data from similar materials

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

### 1-methoxy-2-propanol:

Effects on fertility : Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: inhalation (vapor)  
Dose: 300, 1000, 3000 parts per million  
General Toxicity Parent: LOAEL: 1.000  
General Toxicity F1: LOAEL: 3.000  
General Toxicity F2: 3.000  
Method: OECD Test Guideline 416  
Result: negative

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Effects on fetal development : Test Type: reproductive and developmental toxicity study  
Species: Rabbit  
Application Route: Inhalation  
Dose: 0, 500, 1500, 3000 parts per million  
Duration of Single Treatment: 29 d  
General Toxicity Maternal: LOAEL: 3.000 part per million  
Teratogenicity: NOAEL: 3.000 part per million  
Method: OECD Test Guideline 414  
Result: negative

Reproductive toxicity - Assessment : Weight of evidence does not support classification for reproductive toxicity

### 2-methylpropan-1-ol:

Effects on fertility : Species: Rat  
Application Route: Inhalation  
Fertility: NOAEC Mating/Fertility: 7,5 mg/l

### STOT-single exposure

May cause respiratory irritation.

#### Components:

##### **xylene:**

Assessment : May cause respiratory irritation.

### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### **1-methoxy-2-propanol:**

Assessment : May cause drowsiness or dizziness.

### **2-methylpropan-1-ol:**

Assessment : May cause respiratory irritation.  
May cause drowsiness or dizziness.

### STOT-repeated exposure

May cause damage to organs (hearing organs) through prolonged or repeated exposure if inhaled.

#### Components:

##### **xylene:**

Routes of exposure : Inhalation  
Target Organs : hearing organs  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

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**ethylbenzene:**

Routes of exposure	: Inhalation
Target Organs	: hearing organs
Assessment	: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

**Repeated dose toxicity****Components:****prochloraz (ISO):**

Species	: Rat, male and female
LOAEL	: 6 mg/kg bw/day
Application Route	: Oral
Exposure time	: 90 d
Dose	: 6, 25, 100 mg/kg bw/day
Symptoms	: increased liver weight
Species	: Mouse, male and female
LOAEL	: 25 mg/kg bw/day
Application Route	: Oral
Exposure time	: 90 d
Dose	: 6, 25, 100, 400 mg/kg bw/day
Symptoms	: increased liver weight
Species	: Dog, male and female
NOAEL	: 2,5 mg/kg
LOAEL	: 7 mg/kg bw/day
Application Route	: Oral
Exposure time	: 90 d
Dose	: 1, 2.5, 7, 20 mg/kg bw/day
Symptoms	: increased liver weight

**xylene:**

Species	: Rat
NOAEC	: 3,515 mg/l
Application Route	: Inhalation
Exposure time	: 13 weeks

**ethylbenzene:**

Species	: Rat, male and female
NOAEL	: 75 mg/kg
Application Route	: Oral
Exposure time	: 28 days
Method	: OECD Test Guideline 407
Species	: Rat, male and female
NOAEL	: 250 ppm
LOAEL	: 75 ppm
Application Route	: inhalation (vapor)
Exposure time	: 728 days
Method	: OECD Test Guideline 453

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### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:**

Species	: Rat, male and female
NOAEL	: 40 mg/kg bw/day
LOAEL	: 115 mg/kg bw/day
Application Route	: Oral - feed
Exposure time	: 6 months
Dose	: 40, 115, 340, 1030 mg/kg bw d
Remarks	: Based on data from similar materials

### **1-methoxy-2-propanol:**

Species	: Rat, male
LOAEL	: 2757 mg/kg bw/day
Application Route	: Oral
Exposure time	: 35 d
Dose	: 91.9, 275.7, 919, 2757 mg/kg

Species	: Rat, male and female
NOEL	: 300 ppm
Application Route	: inhalation (vapor)
Exposure time	: 2 years
Dose	: 300, 1000, 3000 ppm
Method	: OECD Test Guideline 453

Species	: Rabbit, male
LOAEL	: 3676 mg/kg bw/day
Application Route	: Skin contact
Exposure time	: 90d
Dose	: 1838, 3676, 6433, 9190 mg/kg

### **2-methylpropan-1-ol:**

Species	: Rat
	: 1450 mg/kg
Application Route	: Oral

Species	: Rat
	: 7,5 mg/l
Application Route	: Inhalation

### **Aspiration toxicity**

May be fatal if swallowed and enters airways.

### **Components:**

#### **prochloraz (ISO):**

The substance does not have properties associated with aspiration hazard potential.

#### **xylene:**

May be fatal if swallowed and enters airways.

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### ethylbenzene:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

### Experience with human exposure

#### Components:

##### xylene:

General Information	:	Target Organs: inner ear Symptoms: hearing loss
		Target Organs: Central nervous system Symptoms: Drowsiness, Dizziness

##### ethylbenzene:

General Information	:	Target Organs: inner ear Symptoms: hearing loss
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### Further information

#### Product:

Remarks	:	Solvents may degrease the skin.
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#### Components:

##### prochloraz (ISO):

Remarks	:	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Contact may cause slight irritation.
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity	:	Very toxic to aquatic life.
Chronic aquatic toxicity	:	Very toxic to aquatic life with long lasting effects.

#### Components:

##### prochloraz (ISO):

Toxicity to fish	:	LC50 (Cyprinodon variegatus (sheepshead minnow)): 1,2 mg/l Exposure time: 96 h Test Type: static test GLP: yes
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		LC50 ( <i>Lepomis macrochirus</i> (Bluegill sunfish)): 2,2 mg/l Exposure time: 96 h Test Type: static test GLP: yes
		LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): 1,5 mg/l Exposure time: 96 h Test Type: static test GLP: yes
Toxicity to daphnia and other aquatic invertebrates	:	EC50 ( <i>Daphnia magna</i> (Water flea)): 4,3 mg/l Exposure time: 48 h Test Type: static test
		EC50 ( <i>Crassostrea virginica</i> (atlantic oyster)): 0,69 - 1,3 mg/l Exposure time: 96 h Test Type: flow-through test GLP: yes
		LC50 ( <i>Mysidopsis bahia</i> (opossum shrimp)): 0,86 mg/l Exposure time: 48 h GLP: yes
Toxicity to algae/aquatic plants	:	ErC50 ( <i>Desmodesmus subspicatus</i> (green algae)): > 0,032 mg/l Exposure time: 72 h
		ErC50 ( <i>Lemna gibba</i> (duckweed)): 0,109 mg/l Exposure time: 7 d
M-Factor (Acute aquatic toxicity)	:	10
Toxicity to fish (Chronic toxicity)	:	NOEC ( <i>Pimephales promelas</i> (fathead minnow)): 0,0485 mg/l Exposure time: 36 d
		NOEC ( <i>Salmo gairdneri</i> ): 0,18 mg/l End point: mortality Exposure time: 28 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC ( <i>Daphnia magna</i> (Water flea)): 0,0222 mg/l Exposure time: 21 d
M-Factor (Chronic aquatic toxicity)	:	1
Toxicity to terrestrial organisms	:	LD50 ( <i>Apis mellifera</i> (bees)): 51 µg/bee End point: Acute contact toxicity
		LD50 ( <i>Apis mellifera</i> (bees)): 61 µg/bee End point: Acute oral toxicity

**xylene:**

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- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2,6 mg/l  
Exposure time: 96 h  
Test Type: Static renewal test  
Method: OECD Test Guideline 203  
Remarks: Based on data from similar materials
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 2,2 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials
- NOEC (Pseudokirchneriella subcapitata (green algae)): 0,44 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials
- Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 1,3 mg/l  
Exposure time: 56 d  
Test Type: flow-through test  
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia dubia (water flea)): 0,96 mg/l  
Exposure time: 7 d  
Remarks: Based on data from similar materials
- Toxicity to microorganisms : NOEC (activated sludge): 16 mg/l  
Exposure time: 28 h  
Method: OECD Test Guideline 301F
- Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): 16 mg/kg  
Exposure time: 14 d  
Remarks: Based on data from similar materials

### ethylbenzene:

- Toxicity to fish : LC50 (Menidia menidia (Atlantic silverside)): 5,1 mg/l  
Exposure time: 96 h
- LC50 (Oncorhynchus mykiss (rainbow trout)): 4,2 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,8 mg/l  
Exposure time: 48 h
- EC50 (Ceriodaphnia dubia (water flea)): 3,2 mg/l  
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): 3,6 mg/l  
Exposure time: 96 h

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EC50 (Skeletonema costatum (marine diatom)): 7,7 mg/l  
Exposure time: 96 h

Toxicity to fish (Chronic toxicity) : NOEC (Fish): 0,25 - 3,4 mg/l  
Method: QSAR

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Ceriodaphnia dubia (water flea)): 0,96 mg/l  
Exposure time: 7 d

Toxicity to microorganisms : Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : (Eisenia fetida (earthworms)): 0,047 mg/cm2  
Exposure time: 48 d  
Method: OECD Test Guideline 207

### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:**

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 31,6 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 62 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 29 mg/l  
Exposure time: 96 h  
Remarks: Based on data from similar materials

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,5 mg/l  
Exposure time: 96 h  
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0,23 mg/l  
Exposure time: 72 d  
Test Type: flow-through test  
Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1,18 mg/l  
Exposure time: 21 d  
Test Type: flow-through test  
Remarks: Based on data from similar materials

Toxicity to microorganisms : EC50 (activated sludge): 550 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): 250 mg/kg  
Exposure time: 14 d  
Method: OECD Test Guideline 207  
Remarks: Based on data from similar materials



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LC50 (*Eisenia fetida* (earthworms)): > 1.000 mg/kg  
Exposure time: 14 d  
Method: OECD Test Guideline 207  
Remarks: Based on data from similar materials

Plant toxicity : EC50: 167 mg/kg  
Exposure time: 21 d  
Species: *Sorghum bicolor* (sorghum)

80 mg/kg  
Exposure time: 14 d  
Species: *Avena sativa* (oats)

Toxicity to terrestrial organisms : EC10 (*Hypoaspis aculeifer*): 82 mg/kg  
Exposure time: 21 d  
Remarks: Information given is based on data obtained from similar substances.

### 1-methoxy-2-propanol:

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): >= 1.000 mg/l  
Exposure time: 96 h  
Test Type: semi-static test

LC50 (*Pimephales promelas* (fathead minnow)): 20.800 mg/l  
Exposure time: 96 h  
Test Type: static test

LC50 (*Leuciscus idus* (Golden orfe)): 6.812 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: DIN 38412

Toxicity to daphnia and other aquatic invertebrates : LC50 (*Daphnia magna* (Water flea)): 21.100 - 25.900 mg/l  
Exposure time: 48 h  
Test Type: static test

Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): > 1.000 mg/l  
Exposure time: 7 d  
Test Type: static test

Toxicity to microorganisms : IC50 (activated sludge): > 1.000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

### 2-methylpropan-1-ol:

Toxicity to fish : LC50 : 1.430 mg/l  
Exposure time: 4 d

Toxicity to daphnia and other aquatic invertebrates : EC50: 1.100 mg/l  
Exposure time: 48 h

Toxicity to daphnia and other : NOEC: 20 mg/l

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aquatic invertebrates (Chronic toxicity)

Exposure time: 21 d

Toxicity to microorganisms : EC50 (Anabaena flos-aquae (cyanobacterium)): 593 - 1.799 mg/l  
Exposure time: 72 h

IC50 (Natural microorganism): 1.000 mg/l  
Exposure time: 16 h

### Persistence and degradability

#### Components:

##### **prochloraz (ISO):**

Biodegradability : Result: Not readily biodegradable.

##### **xylene:**

Biodegradability : aerobic  
Inoculum: activated sludge, non-adapted  
Concentration: 16 mg/l  
Result: Readily biodegradable.  
Biodegradation: 98 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

aerobic  
Inoculum: activated sludge, non-adapted  
Concentration: 16 mg/l  
Result: Readily biodegradable.  
Biodegradation: 94 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

aerobic  
Inoculum: activated sludge, non-adapted  
Concentration: 16,2 mg/l  
Result: Readily biodegradable.  
Biodegradation: 90 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Based on data from similar materials

##### **ethylbenzene:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 79 %  
Exposure time: 10 d

### **Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:**

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Biodegradability : Inoculum: activated sludge, non-adapted  
Result: Not readily biodegradable.  
Biodegradation: 2,9 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301E

Result: Inherently biodegradable.  
Biodegradation: > 35 - 45 %  
Exposure time: 10 d

### 1-methoxy-2-propanol:

Biodegradability : Inoculum: activated sludge  
Result: Readily biodegradable.  
Method: OECD Test Guideline 301E

### 2-methylpropan-1-ol:

Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

#### Components:

#### **prochloraz (ISO):**

Bioaccumulation : Remarks: See section 9 for octanol-water partition coefficient.  
The product may be accumulated in organisms.

Partition coefficient: n-octanol/water : log Pow: 4,12 (25 °C)

#### **xylene:**

Bioaccumulation : Species: Oncorhynchus mykiss (rainbow trout)  
Bioconcentration factor (BCF): > 4,9  
Exposure time: 7 d  
Concentration: 1,3 mg/l  
Remarks: Based on data from similar materials

Partition coefficient: n-octanol/water : log Pow: 3,2 (20 °C)  
pH: 7  
Remarks: Based on data from similar materials

log Pow: 3,12 (20 °C)  
pH: 7  
Remarks: Based on data from similar materials

log Pow: 3,15 (20 °C)  
pH: 7  
Remarks: Based on data from similar materials

log Pow: 3,15 (20 °C)  
pH: 7  
Remarks: Based on data from similar materials

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### ethylbenzene:

Bioaccumulation : Species: Fish  
Bioconcentration factor (BCF): 110

Partition coefficient: n-octanol/water : Pow: 4.170 (20 °C)  
log Pow: 3,03 - 3,6 (20 °C)  
pH: 7,84

### Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., calcium salts:

Bioaccumulation : Bioconcentration factor (BCF): 3,16  
Method: QSAR

Partition coefficient: n-octanol/water : log Pow: 4,595 (20 °C)

### 1-methoxy-2-propanol:

Partition coefficient: n-octanol/water : log Pow: < 1 (20 °C)  
pH: 6,8

### 2-methylpropan-1-ol:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : Pow: 10 (25 °C)

### Mobility in soil

#### Components:

#### prochloraz (ISO):

Distribution among environmental compartments : Remarks: immobile

### Other adverse effects

#### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemi-

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cal or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number : UN 1993  
Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
(prochloraz, Xylene)  
Class : 3  
Packing group : III  
Labels : 3  
Environmentally hazardous : no

##### IATA-DGR

UN/ID No. : UN 1993  
Proper shipping name : Flammable liquid, n.o.s.  
(prochloraz, Xylene)  
Class : 3  
Packing group : III  
Labels : Flammable Liquids  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355

##### IMDG-Code

UN number : UN 1993  
Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
(prochloraz, Xylene)  
Class : 3  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
Marine pollutant : yes

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

Not applicable for product as supplied.

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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### 15. REGULATORY INFORMATION

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

**Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.**

**Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health**

Hazardous substances that must be registered : Not applicable

**Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances**

Hazardous substances approved for use : Not applicable

Prohibited substances : Not applicable

Restricted substances : Not applicable

**The ingredients of this product are reported in the following inventories:**

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AIIC	: Not in compliance with the inventory
DSL	: This product contains chemical substance(s) exempt from CEPA DSL Inventory requirements. It is regulated as a pesticide subject to Pest Control Products Act (PCPA) requirements. Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory
TECI	: Not in compliance with the inventory

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### 16. OTHER INFORMATION

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Date format : yyyy/mm/dd

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)

ID OEL : Indonesia. Occupational Exposure Limits

ACGIH / TWA : 8-hour, time-weighted average

ACGIH / STEL : Short-term exposure limit

ID OEL / NAB : Long term exposure limit

ID OEL / PSD : Short term exposure limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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# SAFETY DATA SHEET



## Sportak® 450 EC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.3	2024/10/17	50000536	Date of first issue: 2017/07/17

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