

SAFETY DATA SHEET

Sportak 45 EC

SDS #: 50000536

Revision date:

27-04-2021

Version 2

Format: BR



Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Sportak 45 EC

Other means of identification

Product Code(s) 50000536, SPORTAK 45 EC-CR-A

UN/ID no UN3082

Synonyms PROCHLORAZ: N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]imidazole-1-carboxamide (IUPAC name); N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide (CAS name). Octave 45 EC

Active Ingredient(s) Prochloraz

Formula $C_{15}H_{16}Cl_3N_3O_2$ (Prochloraz)

Chemical Family Imidazole

Recommended use of the chemical and restrictions on use

Recommended Use: Fungicide formulation. Use as recommended by the label.

Restrictions on Use: Use as recommended by the label.

Details of the supplier of the safety data sheet

Address:

FMC Corporation
Agricultural Solutions
2929 Walnut Street
Philadelphia, PA 19104
General Information:
Phone: (215) 299-6000
E-Mail: sdsinfo@fmc.com

Emergency telephone number:

1 703 / 741-5970 (CHEMTREC - International)
911

Guatemala - Center of Toxicological Information and Assistance - (502) 2251-3560 / 2232-0735

El Salvador - Rosales National Hospital - (503) 2231-9262

Honduras - Hospital School - (504) 232-6105

Nicaragua - National Center of Toxicology - (505) 2289-4700 ext. 1294 cel. 8755-0983

Costa Rica - National Center of Poisoning - (506) 2223-1028; 800-INTOXICA

Panama Center of Research and Information on Medications and Toxicology (507) 523-4948

Dominican Republic - Drug Information and Poisoning Center - (809) 562-6601 Ext. 1801

Section 2: HAZARDS IDENTIFICATION

This material is considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1



Signal Word:: **Danger**

Hazard Statements

H302 - Harmful if swallowed
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H350 - May cause cancer
H371 - May cause damage to organs
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements

Precautionary Statements - Prevention

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P273 - Avoid release to the environment

Precautionary Statements - Response

P308 + P313 - If exposed or concerned: Get medical advice/attention

IF IN EYES

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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

IF ON SKIN

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

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

P362 + P364 - Take off all contaminated clothing and wash it before reuse

IF SWALLOWED

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P330 - Rinse mouth

P391 - Collect spillage

Precautionary Statements - Storage

P405 - Store locked up

Precautionary Statements - Disposal

P501 - Dispose of contents/container according to label directions

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/preparation Mixture

Chemical Family Imidazole

Hazardous Components

Chemical name	CAS-No	Weight %
Prochloraz	67747-09-5	39.68
Propylene glycol	57-55-6	40-50
Oxirane, methyl-, polymer with oxirane, monobutyl ester	9038-95-3	5-10
1,2,4-Trimethylbenzene	95-63-6	3-7

Synonyms are provided in Section 1.

Section 4: FIRST AID MEASURES**FIRST AID MEASURES**

General Advice	Do not induce vomiting or give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Bring the SDS, product label and package insert when seeking medical assistance.
Eye Contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a poison control center or doctor for further treatment advice.
Inhalation	Move to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/ physician.
Protection of first-aiders	Avoid contact by using personal protective equipment. See Section 8 for more detail.

Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water, Foam, Carbon dioxide (CO₂), Dry chemical.

Unsuitable extinguishing media

Do not spread material with high pressure water streams.

Specific extinguishing methods

Evacuate area and fight fire from a safe distance. Very toxic to aquatic life with long lasting effects. Dike to prevent runoff.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Carbon oxides (COx). Nitrogen oxides (NOx), and various chlorinated organic compounds.

Explosive properties

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Section 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Isolate and post spill area. Wear protective gloves/clothing and eye/face protection. For personal protection see section 8.

Other

For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions**Environmental Precautions**

Very toxic to aquatic life with long lasting effects. Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. Keep out of waterways.

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

Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up

Sweep, vacuum or shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal.

Section 7: HANDLING AND STORAGE**Precautions for Safe Handling****Handling**

Avoid contact with skin, eyes and clothing. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Hygiene measures

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

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

Keep container tightly closed in a dry and well-ventilated place. Keep away from open

flames, hot surfaces and sources of ignition. Store in original container.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, contains hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Hazardous Components

Chemical name	Brazil	Chile	Argentina	Venezuela	Mexico	ACGIH TLV
1,2,4-Trimethylbenzene 95-63-6				TWA: 20 ppm TWA: 100 mg/m ³		

Appropriate engineering controls

Engineering measures

Apply technical measures to comply with the occupational exposure limits (if listed above). When working in confined spaces (tanks, containers, etc.), make sure there is an adequate source of air for breathing and wear the recommended equipment. Ventilate all transport vehicles prior to discharge.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and Body Protection

Coveralls worn over long-sleeved shirt and long pants with socks. Wear chemical-resistant footwear, gloves and headgear.

Hand Protection

Use protective gloves made of chemical materials such as nitrile or neoprene. Wash the outside of gloves with soap and water before reuse. Check regularly for leaks.

Respiratory Protection

For dust, splash, mist or spray exposures wear a elastomeric full-face or half mask respirator with appropriate cartridges and/or filters which is approved for pesticides (U.S. NIOSH/MSHA, EU CEN or comparable certification organization).

Hygiene measures

Remove and wash contaminated clothing before re-use. Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Launder work clothing separately from regular household laundry.

General information

These recommendations apply to the product as supplied. If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Emulsion
Appearance	Light amber emulsion
Odor	No information available
Color	Amber
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Boiling Point/Range	No information available
Flash point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available

Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	No data available
Solubility in other solvents	No information available
Surface tension	No data available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Corrosivity	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No data available
VOC content (%)	No information available
Relative density	1.134 g/mL @ 20°C
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

Reactivity

None under normal use conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known.

Hazardous Decomposition Products

Carbon oxides (COx), Nitrogen oxides (NOx), various chlorinated organic compounds.

Section 11: TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral 1715 mg/kg (male rat)

LD50 Dermal > 1930 mL/kg; No deaths occurred at this concentration.

LC50 Inhalation (dust) > 5.04 mg/L 4 hr; No deaths occurred at this concentration.

Information on likely routes of exposure

Inhalation: There are no data available for this product

Eye Contact: Irritating to eyes

Skin Contact: May cause an allergic skin reaction. May cause skin irritation

Ingestion: Harmful if swallowed

Information on toxicological effects**Symptoms:** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation:** Irritating to skin**Serious eye damage/eye irritation:** Irritating to eyes**Sensitization:** May cause an allergic skin reaction**Mutagenicity:** Prochloraz: Not genotoxic in laboratory studies.**Carcinogenicity:** Aromatic hydrocarbons may cause genetic defects and may cause cancer.**Reproductive toxicity:** Prochloraz: Reproductive performance was impaired (extended gestation length; dystocia).**STOT - single exposure:** Prochloraz: Causes damage to organs, See listed target organs below.**STOT - repeated exposure:** Prochloraz: Causes damage to organs through prolonged or repeated exposure. See listed target organs below.**Developmental toxicity:** No information available**Chronic toxicity:** Prochloraz: Prolonged exposure caused decreased body weight, increased liver weight and hepatocyte enlargement in animal studies.**Target organ effects:** Liver, Testes**Neurological effects:** Prochloraz: Not neurotoxic.

Mist 11.50

Section 12: ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

Ecotoxicity

Duration	Species	Value	Units
96 h LC50	Fish	1.5	mg/L
48 h EC50	Daphnia	4.5	mg/L
72 h EC50	Algae	0.1	mg/L

Persistence and degradability: Prochloraz: Not readily biodegradable. Does not readily hydrolyze.**Bioaccumulation:** Prochloraz. Bioaccumulative potential.**Mobility:** Prochloraz: Low mobility in soil.

Chemical name	Partition coefficient
1,2,4-Trimethylbenzene 95-63-6 (3-7 %)	3,63

Other Adverse Effects: See product label for additional application instructions relating to environmental precautions

Section 13: DISPOSAL CONSIDERATIONS**Waste disposal methods**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

Contaminated containers and packages

Containers must be disposed of in accordance with local regulations. Refer to the product label for container disposal instructions. Do not reuse this container for any other purpose.

Section 14: TRANSPORT INFORMATION**IMDG/IMO:**

UN/ID no UN3082
 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Prochloraz)
 Hazard class 9
 Packing Group III
 Environmental Hazards Prochloraz

ICAO:

UN/ID no UN3082
 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s. (Prochloraz)
 Hazard class 9
 Packing Group III

ICAO/IATA:

UN/ID no UN3082
 Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.(Prochloraz)
 Hazard class 9
 Packing Group III

Section 15: REGULATORY INFORMATION

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Prochloraz 67747-09-5			X			X		X
Propylene glycol 57-55-6	X	X	X	X	X	X	X	X
Oxirane, methyl-, polymer with oxirane, monobutyl ester 9038-95-3	X	X		X	X	X	X	X
1,2,4-Trimethylbenz ene 95-63-6	X	X	X	X	X	X	X	X

Section 16: OTHER INFORMATION

Revision date: 27-04-2021

Revision note: Product Code, Chemtrec number.

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