

# SAFETY DATA SHEET



## VARRO® FX

Version 2.0 / CDN  
102000053763

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Revision Date: 06/06/2023  
Print Date: 06/07/2023

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product identifier

**Trade name** VARRO® FX  
**Product code (UVP)** 87316076  
**SDS Number** 102000053763  
**PCP Registration No.** 34848

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

**Use** Herbicide  
**Restrictions on use** See product label for restrictions.

#### Information on supplier

**Supplier** Bayer CropScience Inc  
#200, 160 Quarry Park Blvd, SE  
Calgary, Alberta T2C 3G3  
Canada  
**Responsible Department** Email: SDSINFO.BCS-NA@bayer.com

#### Emergency telephone no.

**Emergency Telephone Number (24hr/ 7 days)** 1-800-334-7577  
**Product Information Telephone Number** 1-888-283-6847

### SECTION 2: HAZARDS IDENTIFICATION

#### Classified in accordance with Part 2 of the Hazardous Products Regulations

Aspiration hazard: Category 1  
Carcinogenicity: Category 2  
Reproductive toxicity: Category 1B  
Skin sensitisation: Category 1

#### Labelling in accordance with Part 3 of the Hazardous Products Regulations



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**Signal word:** Danger

### Hazard statements

May be fatal if swallowed and enters airways.  
Suspected of causing cancer.  
May damage fertility or the unborn child.  
May cause an allergic skin reaction.

### Precautionary statements

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
Contaminated work clothing should not be allowed out of the workplace.  
IF SWALLOWED: Immediately call a POISON CENTER/doctor/ physician.  
Do NOT induce vomiting.  
IF exposed or concerned: Get medical advice/ attention.  
IF ON SKIN: Wash with plenty of water/ soap.  
If skin irritation occurs: Get medical advice/ attention.  
Specific treatment is urgent (see supplemental first aid instructions on this label).  
Wash contaminated clothing before reuse.  
Store locked up.  
Dispose of contents/container in accordance with local regulation.

### Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.  
No health hazards not otherwise classified.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component Name	CAS-No.	Concentration % by weight
Fluroxypyr-meptyl	81406-37-3	15.6
Mefenpyr-diethyl	135590-91-9	2.78
Thiencarbazone-methyl	317815-83-1	0.46
Propylene carbonate	108-32-7	28.9
Hydrocarbons, C10, aromatics, <1% naphthalene	64742-94-5	22.1
Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	10.0
Calcium dodecylbenzenesulphonate	26264-06-2	2.6
2-Ethylhexanol	104-76-7	1.4
Stearylamine, ethoxylated	26635-92-7	1.0
Naphthalene	91-20-3	0.7
N-Methyl-2-pyrrolidone	872-50-4	0.2

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

#### General advice

When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.

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<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
<b>Skin contact</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Eye contact</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

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

**Symptoms** To date no symptoms are known.

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

**Treatment** Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing media

**Suitable** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable** High volume water jet

**Special hazards arising from the substance or mixture** Dangerous gases are evolved in the event of a fire.

### Advice for firefighters

**Special protective equipment for firefighters** In the event of fire and/or explosion do not breathe fumes. Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

**Further information** Fight fire from upwind position. Keep out of smoke. Cool closed containers exposed to fire with water spray. Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

### Specific hazards from the substance or mixture which can increase the fire

**Flash point** > 107 °C

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<b>Auto-ignition temperature</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Explosivity</b>	No data available

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Precautions** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

### Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice** Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

**Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage.

**Hygiene measures** Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.  
Remove Personal Protective Equipment (PPE) immediately after handling this product. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

### Conditions for safe storage, including any incompatibilities

**Requirements for storage areas and containers** Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Protect from freezing. Keep away from direct sunlight.

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**Advice on common storage** Keep away from food, drink and animal feedingstuffs.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Components	CAS-No.	Control parameters	Update	Basis
Thiocarbazono-methyl	317815-83-1	10 mg/m <sup>3</sup> (TWA)		OES BCS*
Hydrocarbons, C10, aromatics, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	06 2020	CAD BC OEL
Hydrocarbons, C10, aromatics, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	01 2021	CAD MB OEL
Hydrocarbons, C10, aromatics, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	01 2020	CAD ON OEL
Hydrocarbons, C10, aromatics, <1% naphthalene  (Vapor.)	64742-94-5	250 mg/m <sup>3</sup> (15 MIN ACL)	05 2009	CAD SK OEL
Hydrocarbons, C10, aromatics, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	05 2013	CAD BC OEL
Hydrocarbons, C10, aromatics, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	11 2010	CAD ON OEL
Hydrocarbons, C10, aromatics, <1% naphthalene  (Non-aerosol.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	03 2014	CAD MB OEL
Hydrocarbons, C10, aromatics, <1% naphthalene  (Vapor.)	64742-94-5	200 mg/m <sup>3</sup> (TWA)	08 2020	CAD AB OEL
Hydrocarbons, C10, aromatics, <1% naphthalene	64742-94-5	525 mg/m <sup>3</sup> (TWA)	11 2010	CAD ON OEL
Mefenpyr-diethyl	135590-91-9	10 mg/m <sup>3</sup> (TWA)		OES BCS*
2-Ethylhexanol	104-76-7	5 ppm (TWA)	01 2022	CAD MB OEL
Naphthalene	91-20-3	52 mg/m <sup>3</sup> /10 ppm	07 2009	CAD AB

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		(TWA)		OEL
Naphthalene	91-20-3	79 mg/m <sup>3</sup> /15 ppm (STEL)	07 2009	CAD AB OEL
Naphthalene	91-20-3	10 ppm (TWA)	09 2011	CAD BC OEL
Naphthalene	91-20-3	15 ppm (STEL)	09 2011	CAD BC OEL
Naphthalene	91-20-3	10 ppm (TWA)	03 2011	CAD MB OEL
Naphthalene	91-20-3	10 ppm (TWA)	11 2010	CAD ON OEL
Naphthalene	91-20-3	15 ppm (STEL)	11 2010	CAD ON OEL
Naphthalene	91-20-3	10 ppm (8 HR ACL)	05 2009	CAD SK OEL
Naphthalene	91-20-3	15 ppm (15 MIN ACL)	05 2009	CAD SK OEL
Naphthalene	91-20-3	79 mg/m <sup>3</sup> /15 ppm (STEL)	11 2011	OEL (QUE)
Naphthalene	91-20-3	52 mg/m <sup>3</sup> /10 ppm (TWA)	11 2011	OEL (QUE)
Naphthalene	91-20-3	10 ppm (TLV)		OES BCS*
N-Methyl-2-pyrrolidone	872-50-4	400 mg/m <sup>3</sup> (TWA)	12 2007	CAD ON OEL
N-Methyl-2-pyrrolidone	872-50-4	19 ppm (TWA)		OES BCS*

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

### Exposure controls

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

#### Respiratory protection

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

#### Hand protection

Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton)

#### Eye protection

Safety glasses with side-shields

#### Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks.

#### General protective measures

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.  
Keep and wash PPE separately from other laundry.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Form</b>	Liquid, clear
<b>Colour</b>	beige to brown
<b>Odour</b>	No data available
<b>Odour Threshold</b>	No data available
<b>pH</b>	6.5 - 8.0 (10 %) (23 °C) (deionized water)
<b>Melting point/range</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash point</b>	> 107 °C
<b>Flammability</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Thermal decomposition</b>	No data available
<b>Minimum ignition energy</b>	No data available
<b>Self-accelerating decomposition temperature (SADT)</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	ca. 1.08 g/cm <sup>3</sup> (20 °C)
<b>Water solubility</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	Mefenpyr-diethyl: log Pow: 3.83 (21 °C) Fluroxypyr-meptyl: log Pow: 5.04 Thiencarbazone-methyl: log Pow: -0.13
<b>Viscosity, dynamic</b>	17.23 mPa.s (20 °C) Velocity gradient 20 /s 17.12 mPa.s (20 °C) Velocity gradient 100 /s 8.75 mPa.s (40 °C) Velocity gradient 20 /s

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	8.74 mPa.s (40 °C) Velocity gradient 100 /s
<b>Viscosity, kinematic</b>	15.92 mm <sup>2</sup> /s (20 °C) Shear rate of 20/sec 15.82 mm <sup>2</sup> /s (20 °C) Shear rate of 100/sec 8.22 mm <sup>2</sup> /s (40 °C) Shear rate of 20/sec 8.20 mm <sup>2</sup> /s (40 °C) Shear rate of 100/sec
<b>Oxidizing properties</b>	No data available
<b>Explosivity</b>	No data available
<b>Other information</b>	Further safety related physical-chemical data are not known.

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## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to prescribed instructions.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible materials</b>	No incompatible materials known.
<b>Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Exposure routes</b>	Ingestion, Eye contact, Skin contact, Inhalation
<b>Immediate Effects</b>	
<b>Eye</b>	May cause temporary eye irritation.
<b>Skin</b>	May be harmful in contact with skin. May cause sensitisation by skin contact.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	May be harmful if inhaled.
<b>Information on toxicological effects</b>	
<b>Acute oral toxicity</b>	LD50 (female Rat) > 5,000 mg/kg
<b>Acute inhalation toxicity</b>	LC50 (male/female combined Rat) > 5.1 mg/l



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Exposure time: 4 h  
Determined in the form of a respirable aerosol.  
No deaths

### Acute dermal toxicity

Dermal toxicity was assessed based on the result of the oral toxicity study.  
Dermal toxicity study has been waived by competent regulatory authority.

### Skin corrosion/irritation

Slight irritant effect - does not require labelling. (Rabbit)

### Serious eye damage/eye irritation

Mild eye irritation. (Rabbit)

### Respiratory or skin sensitisation

Skin: Sensitising (Mouse)  
OECD Test Guideline 429, local lymph node assay (LLNA)

### Assessment STOT Specific target organ toxicity – single exposure

Mefenpyr-diethyl: Based on available data, the classification criteria are not met.  
Fluroxypyr-meptyl: This information is not available.  
Thiencarbazone-methyl: Based on available data, the classification criteria are not met.

### Assessment STOT Specific target organ toxicity – repeated exposure

Mefenpyr-diethyl did not cause specific target organ toxicity in experimental animal studies.  
Fluroxypyr-meptyl did not cause specific target organ toxicity in experimental animal studies.  
Thiencarbazone-methyl did not cause specific target organ toxicity in experimental animal studies.

### Assessment mutagenicity

Mefenpyr-diethyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.  
Fluroxypyr-meptyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.  
Thiencarbazone-methyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

### Assessment carcinogenicity

Mefenpyr-diethyl was not carcinogenic in lifetime feeding studies in rats and mice.  
Fluroxypyr-meptyl was not carcinogenic in lifetime feeding studies in rats and mice.  
Thiencarbazone-methyl was not carcinogenic in a lifetime feeding study in rats. Thiencarbazone-methyl caused at high dose levels an increased incidence of tumours in mice in the following organ(s): urinary bladder. The tumours seen with Thiencarbazone-methyl were caused through the chronic irritation due to the presence of bladder stones.

### ACGIH

Hydrocarbons, C10, aromatics, <1% naphthalene	64742-94-5	Group A3
2-Ethylhexanol	104-76-7	Group A3
Naphthalene	91-20-3	Group A3

### NTP

Naphthalene	91-20-3
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### IARC

Hydrocarbons, C10, aromatics, <1% naphthalene	64742-94-5	Overall evaluation: 3
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Hydrocarbons, C10, aromatics, <1% naphthalene	64742-94-5	Overall evaluation: 3
Hydrocarbons, C10, aromatics, <1% naphthalene	64742-94-5	Overall evaluation: 3
Naphthalene	91-20-3	Overall evaluation: 2B

### ACGIH

None.

### NTP

None.

### IARC

None.

### OSHA

None.

### Assessment toxicity to reproduction

Mefenpyr-diethyl did not cause reproductive toxicity in a two-generation study in rats.  
Fluroxypyr-meptyl did not cause reproductive toxicity in a two-generation study in rats.  
Thiencarbazono-methyl did not cause reproductive toxicity in a two-generation study in rats.

### Assessment developmental toxicity

Mefenpyr-diethyl caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Mefenpyr-diethyl are related to maternal toxicity.  
Fluroxypyr-meptyl did not cause developmental toxicity in rats and rabbits.  
Thiencarbazono-methyl did not cause developmental toxicity in rats and rabbits.

### Aspiration hazard

May be fatal if swallowed and enters airways.

### Further information

Only acute toxicity studies have been performed on the formulated product.  
The non-acute information pertains to the active ingredient(s).

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## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)) > 0.225 mg/l  
semi-static test; Exposure time: 96 h  
The value mentioned relates to the active ingredient fluroxypyr-meptyl.

LC50 (Oncorhynchus mykiss (rainbow trout)) > 104 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient thiencarbazono-methyl.

LC50 (Cyprinus carpio (Carp)) 2.4 mg/l  
Exposure time: 96 h

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	<p>The value mentioned relates to the active ingredient mefenpyr-diethyl. LC50 (Oncorhynchus mykiss (rainbow trout)) 4.2 mg/l Exposure time: 96 h The value mentioned relates to the active ingredient mefenpyr-diethyl.</p>
<b>Chronic toxicity to fish</b>	<p>Oncorhynchus mykiss (rainbow trout) NOEC: 0.32 mg/l The value mentioned relates to the active ingredient fluroxypyr-meptyl. Oncorhynchus mykiss (rainbow trout) NOEC: 0.1 mg/l Exposure time: 28 d The value mentioned relates to the active ingredient mefenpyr-diethyl.</p>
<b>Toxicity to aquatic invertebrates</b>	<p>EC50 (Daphnia magna (Water flea)) &gt; 0.183 mg/l semi-static test; Exposure time: 48 h The value mentioned relates to the active ingredient fluroxypyr-meptyl.  EC50 (Daphnia magna (Water flea)) &gt; 98.6 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient thiencazone-methyl.  EC50 (Daphnia magna (Water flea)) 20.9 mg/l Exposure time: 48 h The value mentioned relates to the active ingredient mefenpyr-diethyl.</p>
<b>Toxicity to aquatic plants</b>	<p>ErC50 (Navicula pelliculosa (Freshwater diatom)) 0.24 mg/l static test; Exposure time: 72 h The value mentioned relates to the active ingredient fluroxypyr-meptyl. EbC50 (Scenedesmus quadricauda (Green algae)) &gt; 0.47 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient fluroxypyr-meptyl. ErC50 (Raphidocelis subcapitata (freshwater green alga)) &gt; 1.410 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient fluroxypyr-meptyl. NOEC (Myriophyllum spicatum (Eurasian watermilfoil)) 0.031 mg/l Exposure time: 14 d The value mentioned relates to the active ingredient fluroxypyr-meptyl. IC50 (Raphidocelis subcapitata (freshwater green alga)) 1.017 mg/l Growth rate; Exposure time: 72 h The value mentioned relates to the active ingredient thiencazone-methyl. IC50 (Lemna gibba (gibbous duckweed)) 0.00131 mg/l Growth rate; Exposure time: 7 d The value mentioned relates to the active ingredient thiencazone-methyl. EC50 (Desmodesmus subspicatus (green algae)) 5.8 mg/l Exposure time: 72 h</p>

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	The value mentioned relates to the active ingredient mefenpyr-diethyl. EC50 (Navicula pelliculosa (Freshwater diatom)) 1.62 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient mefenpyr-diethyl. EC50 (Lemna gibba (gibbous duckweed)) 12 mg/l Exposure time: 168 h The value mentioned relates to the active ingredient mefenpyr-diethyl.
<b>Toxicity to bacteria</b>	EC50 (activated sludge) > 1,000 mg/l The value mentioned relates to the active ingredient mefenpyr-diethyl.
<b>Biodegradability</b>	Mefenpyr-diethyl: Not rapidly biodegradable Fluroxypyr-meptyl: 32 %, Exposure time: 28 d Not rapidly biodegradable Thien carbazono-methyl: Not rapidly biodegradable
<b>Koc</b>	Mefenpyr-diethyl: Koc: 625 Fluroxypyr-meptyl: Koc: 6200 - 43000 Thien carbazono-methyl: Koc: 100
<b>Bioaccumulation</b>	Mefenpyr-diethyl: Bioconcentration factor (BCF) 232 Does not bioaccumulate. Fluroxypyr-meptyl: Bioconcentration factor (BCF) 26 Thien carbazono-methyl: Does not bioaccumulate.
<b>Mobility in soil</b>	Mefenpyr-diethyl: Slightly mobile in soils Fluroxypyr-meptyl: Immobile in soil Thien carbazono-methyl: Moderately mobile in soils
<b>Results of PBT and vPvB assessment</b>	
<b>PBT and vPvB assessment</b>	Mefenpyr-diethyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). Fluroxypyr-meptyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). Thien carbazono-methyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
<b>Environmental precautions</b>	Do not allow to get into surface water, drains and ground water. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

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## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

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<b>Product</b>	Dispose in accordance with all local, state/provincial and federal regulations.
<b>Contaminated packaging</b>	Consult state and local regulations regarding the proper disposal of container. Follow advice on product label and/or leaflet.

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### SECTION 14: TRANSPORT INFORMATION

#### TDG

UN number	<b>3082</b>
Labels	9
Packaging group	III
Marine pollutant	Marine pollutant
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUROXYPYR-MEPTYL, THIENCARBAZONE-METHYL)

#### 49CFR

UN number	<b>3082</b>
Class	9
Packaging group	III
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CALCIUM DODECYLBENZENE SULFONATE, NAPHTHALENE)

RQ Reportable Quantity is reached with 14,712 lb of product.

#### IMDG

UN number	<b>3082</b>
Class	9
Packaging group	III
Marine pollutant	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUROXYPYR-MEPTYL, THIENCARBAZONE-METHYL SOLUTION)

#### IATA

UN number	<b>3082</b>
Class	9
Packaging group	III
Environm. Hazardous Mark	YES
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FLUROXYPYR-MEPTYL, THIENCARBAZONE-METHYL SOLUTION )

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

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### Further Information

Exempt from regulation when transported by road or rail, in accordance with TDG Regulations 1.45.1.  
This exemption provides that this product does not require dangerous goods shipping documentation or safety marks when transported on land by road or rail.

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## SECTION 15: REGULATORY INFORMATION

**PCP Registration No.** 34848

### PMRA Information:

Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

This chemical is a pest control product regulated by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label:

**Hazard statements:** Potential skin sensitizer.  
Eye irritant.

There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

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## SECTION 16: OTHER INFORMATION

### Abbreviations and acronyms

49CFR	Code of Federal Regulations, Title 49
ACGIH	US. ACGIH Threshold Limit Values
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
N.O.S.	Not otherwise specified
NTP	US. National Toxicology Program (NTP) Report on Carcinogens
OECD	Organization for Economic Co-operation and Development
TDG	Transportation of Dangerous Goods
TWA	Time weighted average

# SAFETY DATA SHEET



## VARRO® FX

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UN United Nations  
WHO World health organisation

### NFPA 704 (National Fire Protection Association):

Health - 2      Flammability - 1      Instability - 0      Others - none

### HMIS (Hazardous Materials Identification System, based on the Fourth Edition Ratings Guide)

Health - 2\*      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard,  
\* = chronic health hazard

**Reason for Revision:** The following sections have been revised: Section 11: Toxicological Information.  
Section 15: Regulatory information. Reviewed and updated for general editorial purposes.

**Revision Date:** 06/06/2023

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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