

SAFETY DATA SHEETS

This SDS packet was issued with item:

078848253

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078944715

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier.

Product Name Mycodex All-In-One® Flea & Tick Spray

Other means of identification

Product Code PEG FP 100531070

EPA Pesticide Registration Number 2724-404-92895

Product Size 16 fl. oz.

Recommended use of the chemical and restrictions on use

Recommended Use Insect growth regulator

Uses advised against No information available

Details of the supplier of the safety data sheet

Company Name

PRN Pharmacal
8809 Ely Road
Pensacola, FL 32514

Manufacturer

Wellmark International
1501 E. Woodfield Road, Suite 200 West
Schaumburg, IL 60173

Emergency telephone number

24 Hour Emergency Phone Number Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2B
Skin Sensitization	Category 1
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 3

Label elements

Emergency Overview

Signal word

Danger

Hazard statements

- Causes eye irritation
- May cause an allergic skin reaction
- May damage fertility or the unborn child
- May cause drowsiness or dizziness
- Flammable liquid and vapor



Appearance Transparent Liquid

Physical state Liquid

Odor Characteristic of Alcohol

Precautionary Statements - Prevention

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/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Hazards not otherwise classified (HNOC)

Not applicable

Other information

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS-No	Weight-%
1-methoxypropan-2-ol	107-98-2	81.2-82.0
N-Octyl bicycloheptene dicarboximide	113-48-4	0.62
Piperonyl Butoxide	51-03-6	0.46
2-Methoxy-1-propanol	1589-47-5	0.41
S-Methoprene	65733-16-6	0.27
Pyrethrins	8003-34-7	0.2

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice

IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep

eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms No information available

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media Avoid heavy hose streams.

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so Prevent product from entering drains Avoid release to the environment

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert

absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store locked up. Keep from freezing. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1-methoxypropan-2-ol 107-98-2	STEL: 100 ppm TWA: 50 ppm	(vacated) TWA: 100 ppm (vacated) TWA: 360 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 540 mg/m ³	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³
Pyrethrins 8003-34-7	TWA: 5 mg/m ³	TWA: 5 mg/m ³ (vacated) TWA: 5 mg/m ³	IDLH: 5000 mg/m ³ TWA: 5 mg/m ³

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering controls

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Hand protection

Chemical resistant gloves.

Skin and body protection

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

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Transparent Liquid
Color	Pale Yellow
Odor	Characteristic of Alcohol
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.5 - 7.5	
Melting point/freezing point		None known
Boiling point / boiling range	No data available	None known
Flash point	41 °C / 106 °F	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	0.88	
Water solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known

Other Information

Liquid Density	7.3 pounds/gallon
Bulk density	No information available

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Stability

Stable under recommended storage conditions

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

Keep away from heat, sparks and open flame. Oxidizing agents.

Hazardous decomposition products

Carbon dioxide (CO₂). Carbon Monoxide (CO).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause drowsiness or dizziness.
Eye contact	Causes eye irritation.

Skin contact May cause an allergic skin reaction.

Ingestion Specific test data for the substance or mixture is not available.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
1-methoxypropan-2-ol 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 7559 ppm (Rat) 6 h
N-Octyl bicycloheptene dicarboximide 113-48-4	= 2800 mg/kg (Rat)	= 470 mg/kg (Rabbit) = 470 mg/kg (Rat)	-
Piperonyl Butoxide 51-03-6	= 4570 mg/kg (Rat) = 6150 mg/kg (Rat)	= 1880 mg/kg (Rabbit) > 7950 mg/kg (Rat)	-
2-Methoxy-1-propanol 1589-47-5	= 5710 mg/kg (Rat)	= 5660 mg/kg (Rabbit)	-
Pyrethrins 8003-34-7	= 200 mg/kg (Rat)	= 2060 mg/kg (Rabbit) = 1350 mg/kg (Rat) = 300 mg/kg (Rabbit)	= 3.4 mg/L (Rat) 4 h

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity - Product Information

Unknown Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

LD50 Oral > 5100 mg/kg (rat)
LD50 Dermal > 2100 mg/kg (rabbit)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Causes eye irritation.

Respiratory or skin sensitization May cause an allergic skin reaction.

Germ cell mutagenicity No information available.

Carcinogenicity Classification based on data available for ingredients.

Chemical name	ACGIH	IARC	NTP	OSHA
Piperonyl Butoxide 51-03-6	-	Group 3	-	-

IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity Per manufacturer guidance, Methoprene did not produce birth defects or adverse effect on reproduction in animal tests. Pyrethrins did not produce any birth defects or adverse effect on reproductive parameters in tests with rats and rabbits. Piperonyl butoxide sis not produce any birth defects or adverse effects on reproductive parameters in tests with rats and rabbits. 2-methoxy-1-propanol has been shown to produce developmental toxicity in animals.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure No information available.
Target Organ Effects Central nervous system, Eyes, Respiratory system, Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1-methoxypropan-2-ol 107-98-2	-	4600 - 10000: 96 h Leuciscus idus mg/L LC50 static 20.8: 96 h Pimephales promelas g/L LC50 static	-	23300: 48 h Daphnia magna mg/L EC50
Piperonyl Butoxide 51-03-6	-	NOEC Fathead minnow 0.04 mg/L [Chronic] 96 Hour(s) LC50 Rainbow Trout 1.9 mg/L [Acute] 96 Hour(s) LC50 Sheephead minnow 3.94 mg/L [Acute]	-	48 Hour(s) LC50 Daphnia magna 0.51 mg/L [Acute] 48 Hour(s) LC50 Mysid shrimp 0.49 mg/L [Acute] NOEC Daphnia magna 0.03 mg/L [Chronic]
S-Methoprene 65733-16-6	-	96 Hour(s) LC50 Rainbow Trout 0.76mg/L [Acute] 96 Hour(s) LC50 Bluegill >0.37 mg/L [Acute] NOEC Fathead Minnow 0.048 mg/L [Chronic]	-	NOEC Mysid shrimp 0.014mg/L [Chronic] 48 hour(s) LC50 Daphnia 0.36 mg/L [Acute]
Pyrethrins 8003-34-7	-	0.054: 96 h Oncorhynchus mykiss mg/L LC50 0.0031 - 0.0038: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.02 - 0.03: 96 h Oncorhynchus mykiss mg/L LC50 static 0.0322 - 0.0472: 96 h Lepomis macrochirus mg/L LC50 static 0.003 - 0.0046: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.074: 96 h Lepomis macrochirus mg/L LC50 0.0425 - 0.121: 96 h Pimephales promelas mg/L LC50 flow-through 0.224 - 0.458: 96 h Pimephales promelas mg/L LC50 static	-	-

Persistence and degradability (s)-Methoprene degrades rapidly in sunlight both in water and on inert surfaces. The pesticide also is metabolized rapidly in soil and does not leach. Thus, it should not persist in soil or contaminate ground water. Pyrethrins have low persistence in the environment due to rapid breakdown in presence of UV light. .

Bioaccumulation No information available.

Mobility (s)-Methoprene: 10-14 days, rapidly hydrolyzed in soil. Pyrethrins are relatively immobile in soil. .

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Should not be released into the environment. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
US EPA Waste Number	D001.

14. TRANSPORT INFORMATION

Note: Limited quantity applies with an inner packaging less than 5 L or gross package weight less than 30 kg.

DOT

UN/ID no.	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Reportable Quantity (RQ)	Pyrethrins: RQ (lb)= 500.00
Special Provisions	B1, IB3, T2, TP1
Description	UN3092, 1-METHOXY-2-PROPANOL, 3, III, Limited quantity

TDG

UN/ID no.	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Description	UN3092, 1-METHOXY-2-PROPANOL, 3, III, Limited quantity

MEX

UN/ID no.	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Description	UN3092, 1-METHOXY-2-PROPANOL, 3, III, Limited quantity

ICAO (air)

UN/ID no.	UN3092
Proper shipping name	1-METHOXY-2-PROPANOL
Hazard class	3
Packing group	III
Description	UN3092, 1-METHOXY-2-PROPANOL, 3, III

IATA

UN number	UN3092
UN proper shipping name	1-METHOXY-2-PROPANOL
Transport hazard class(es)	3
Packing group	III
Description	UN3092, 1-METHOXY-2-PROPANOL, 3, III

IMDG

UN number	UN3092
UN proper shipping name	1-METHOXY-2-PROPANOL
Transport hazard class(es)	3
Packing group	III
EmS-No.	F-E, S-D
Description	UN3092, 1-METHOXY-2-PROPANOL, 3, III, LIMITED QUANTITY

15. REGULATORY INFORMATION

U.S. EPA Label Information

EPA Pesticide Registration Number 2724-404-92895

Federal Insecticide, Fungicide, Rodenticide Act Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

CAUTION. Keep out of reach of children.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS - CAUTION Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. May cause dermal sensitization (skin allergy). **HAZARDS TO ANIMALS - CAUTION:** Consult a veterinarian before using this product on debilitated, aged, pregnant, nursing, or animals on medication. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Some cats may be sensitive to products containing pyrethrins. Excessive salivation and ear and paw flicking may occur; however, these effects are temporary and not harmful. May cause dermal sensitization (skin allergy). **PHYSICAL HAZARDS:** Combustible. Do not use or store near heat or open flame.

International Inventories

TSCA	Not Listed
DSL/NDSL	Not Listed
EINECS/ELINCS	Not Listed
ENCS	Not Listed
IECSC	Not Listed
KECL	Not Listed
PICCS	Not Listed
AICS	Listed

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pyrethrins 8003-34-7	1 lb	-	-	-

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Pyrethrins 8003-34-7	1 lb	-

US State Regulations

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
1-methoxypropan-2-ol 107-98-2	X	X	X
Piperonyl Butoxide 51-03-6	X	-	-

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection X

Disclaimer

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End of Safety Data Sheet