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# 1. Identification

# Product identifier used on the label

# CLEAR ZONE DOUBLE IMPACT FARM FLY SPRAY

# Recommended use of the chemical and restriction on use

Recommended use\*: insecticide

# Details of the supplier of the safety data sheet

Company:

BASF CORPORATION 100 Park Avenue Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

# **Emergency telephone number**

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

### Other means of identification

Substance number: 414183 EPA Registration number: 499-320

Synonyms: Pyrethrins + permethrin + piperonyl butoxide

# 2. Hazards Identification

# According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

# Classification of the product

Asp. Tox. 1 Aspiration hazard

STOT SE 3 (Vapours may cause Specific target organ toxicity — single exposure

drowsiness and

dizziness.)

Aquatic Acute 2 Hazardous to the aquatic environment - acute Aquatic Chronic 2 Hazardous to the aquatic environment - chronic

Flam. Aerosol 1 Flammable aerosols

<sup>\*</sup> The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

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### Label elements

Pictogram:



# Signal Word: Danger

Hazard Statement:

H222 Extremely flammable aerosol.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P273 Avoid release to the environment.

P271 Use only outdoors or in a well-ventilated area.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

Precautionary Statements (Response):

P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

P391 Collect spillage.

P331 Do NOT induce vomiting.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P410 + P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C/

122°F.

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection

point.

### Hazards not otherwise classified

Labeling of special preparations (GHS):

Repeated exposure may cause skin dryness or cracking.

May cause paraesthesia. Contains: Pyrethrins

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 1 % dermal

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 1 % oral

The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 1 % Inhalation - vapour

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The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 0 - 1 % Inhalation - mist

# According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

# **Emergency overview**

**CAUTION:** 

KEEP OUT OF REACH OF CHILDREN.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

HARMFUL IF SWALLOWED.

HARMFUL IF INHALED.

HARMFUL IF ABSORBED THROUGH SKIN.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of mists/vapours.

Wash thoroughly after handling.

Flammable Liquid

Aerosol container contains flammable gas under pressure.

# 3. Composition / Information on Ingredients

# According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
8003-34-7	0.25 %	Pyrethrins
52645-53-1	0.25 %	Permethrin
51-03-6	2.0 %	piperonyl butoxide
64742-47-8	25.0 - 50.0%	Distillates, petroleum
75-37-6	50.0 - 75.0%	Ethane, 1,1-difluoro-

### According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<b>CAS Number</b>	Weight %	Chemical name
8003-34-7	0.25 %	Pyrethrins
52645-53-1	0.25 %	Permethrin
51-03-6	2.0 %	piperonyl butoxide
64742-47-8	>= 10.0%	Distillates, petroleum
75-37-6		Ethane, 1,1-difluoro-
115-10-6		dimethyl ether
	<= 87.5%	Proprietary ingredients

# 4. First-Aid Measures

# **Description of first aid measures**

#### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

# If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

#### If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

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### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

#### If swallowed:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting due to aspiration hazard.

# Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known. Hazards: Vomiting may cause aspiration pneumonia due to the ingredients.

# Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Aspiration of this product during induced emesis can result in lung

injury. If evacuation of stomach contents is considered necessary, use method least likely to cause aspiration, such as gastric lavage after

endotracheal intubation.

Treat according to symptoms (decontamination, vital functions), no

known specific antidote.

# 5. Fire-Fighting Measures

# **Extinguishing media**

Suitable extinguishing media: foam, dry powder, carbon dioxide

# Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, Hydrogen chloride, hydrogen fluoride, halogenated hydrocarbons, halogenated compounds, hydrocarbons

The substances/groups of substances mentioned can be released in case of fire. Aerosol container contains flammable gas under pressure. Risk of explosion at excessive temperatures.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### Further information:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

# **Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water. A spill of or in excess of the reportable quantity requires notification to state, local and national emergency authorities. This product is regulated by CERCLA ('Superfund').

# Methods and material for containment and cleaning up

Dike spillage. Pick up with suitable absorbent material. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

# 7. Handling and Storage

# Precautions for safe handling

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect against heat. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Follow label warnings even after container is emptied. The substance/product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

### Protection against fire and explosion:

Aerosol container contains flammable gas under pressure. The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme heat. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

# Conditions for safe storage, including any incompatibilities

Segregate from incompatible substances. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

Further information on storage conditions: Protect containers from physical damage. Store in a cool, dry, well-ventilated area. Avoid all sources of ignition: heat, sparks, open flame.

# Storage stability:

May be kept indefinitely if stored properly.

If an expiry date is mentioned on the packaging/label this takes priority over the statements on storage duration in this safety data sheet.

Protect from temperatures above: 130 °F

Explosive at or above indicated temperature.

# 8. Exposure Controls/Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

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# Components with occupational exposure limits

Distillates, petroleum

ACGIH TLV TWA value 200 mg/m3 Non-aerosol (total

hydrocarbon vapor);

Application restricted to conditions in which there

are negligible aerosol exposures. Skin Designation Non-aerosol (total

hydrocarbon vapor);

The substance can be absorbed through the skin.

# Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

# Personal protective equipment

# RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

# Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

### Eve protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

# **Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

# General safety and hygiene measures:

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

# 9. Physical and Chemical Properties

Form: aeroso

Odour: characteristic, of petroleum

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Odour threshold: Not determined due to potential health hazard by inhalation.

Colour: yellow pH value: approx. 5 - 7

(10 g/l, approx. 22 °C)

Melting point: approx. -30 °C

Information applies to the solvent.

Flash point: not determined Flammability: Extremely flammable.

Flammability of Aerosol > 18 in

Products:

NFPA 30B flammability: Level 1 Aerosol

Lower explosion limit: As a result of our experience with this

product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Upper explosion limit: As a result of our experience with this

product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with

the intended use.

Density: approx. 0.81 g/cm3

(20°C)

Vapour density: not applicable Partitioning coefficient n- not applicable

octanol/water (log Pow):

Thermal decomposition: carbon monoxide, carbon dioxide, Hydrogen chloride, hydrogen

fluoride, halogenated hydrocarbons

Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To

(ASTM D 3065)

avoid thermal decomposition, do not overheat.

Viscosity, dynamic: 2.43 mPa.s

(approx. 21.7 °C)

Solubility in water: dispersible Evaporation rate: not applicable

Other Information: If necessary, information on other physical and chemical

parameters is indicated in this section.

# 10. Stability and Reactivity

#### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

# Chemical stability

The product is stable if stored and handled as prescribed/indicated.

# Possibility of hazardous reactions

The product is chemically stable.

### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.

# Incompatible materials

strong acids, Alkalines

# **Hazardous decomposition products**

### Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated., Prolonged thermal loading can result in products of degradation being given off.

# Thermal decomposition:

Possible thermal decomposition products:

carbon monoxide, carbon dioxide, Hydrogen chloride, hydrogen fluoride, halogenated hydrocarbons Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released. To avoid thermal decomposition, do not overheat.

# 11. Toxicological information

# Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

# **Acute Toxicity/Effects**

# Acute toxicity

Assessment of acute toxicity: Slightly toxic after single ingestion. Slightly toxic after short-term skin contact. Relatively nontoxic after short-term inhalation.

# Oral

Type of value: LD50

Species: rat

Value: > 2,000 - < 5,000 mg/kg

# **Inhalation**

Type of value: LC50

Species: rat

Value: > 4.35 mg/l Exposure time: 4 h

No mortality was observed.

### Dermal

Type of value: LD50 Species: rabbit Value: > 2,000 mg/kg No mortality was observed.

### Assessment other acute effects

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

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The product has not been tested. The statement has been derived from the properties of the individual components.

### Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

Skin

Species: rabbit Result: non-irritant

Eye

Species: rabbit Result: non-irritant

### Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

modified Buehler test Species: guinea pig

Result: Skin sensitizing effects were not observed in animal studies.

# **Chronic Toxicity/Effects**

#### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-

Assessment of repeated dose toxicity: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses. Repeated dermal uptake of the substance did not cause substance-related effects.

Information on: Permethrin

Assessment of repeated dose toxicity: The substance may cause damage to the peripheral nervous system after repeated ingestion of high doses. The substance may cause damage to the peripheral nervous system after repeated skin contact with high doses.

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### **Genetic toxicity**

Assessment of mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

### Carcinogenicity

Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: permethrin

Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests.

Information on: Distillates, petroleum

Assessment of carcinogenicity: Long-term exposure to highly irritating concentrations resulted in skin tumors in animals. A carcinogenic effect in humans can be excluded after brief skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Reproductive toxicity

Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

# **Teratogenicity**

Assessment of teratogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Permethrin

Assessment of teratogenicity: The substance did not cause malformations in animal studies. When given in high doses embryotoxicity was observed.

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#### Other Information

Misuse can be harmful to health.

# Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

# 12. Ecological Information

### **Toxicity**

### Toxicity to fish

Information on: piperonyl butoxide LC50 1.9 mg/l, Oncorhynchus mykiss

Information on: pyrethrum

LC50 (96 h) 0.0052 mg/l, Oncorhynchus mykiss (static)

LC50 (96 h) 0.01 mg/l, Lepomis macrochirus

Information on: permethrin

LC50 (96 h) 0.012 mg/l, Salmo salar

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### Aquatic invertebrates

Information on: piperonyl butoxide EC50 0.49 mg/l, Mysidopsis bahia

Information on: pyrethrum

EC50 (48 h) 0.012 mg/l, Daphnia magna EC50 (48 h) 0.0014 mg/l, Mysidopsis bahia

Information on: permethrin

EC50 (96 h) 0.000019 mg/l, Americamysis bahia

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# Aquatic plants

Information on: piperonyl butoxide

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EC50 14.9 mg/l, Chlorella fusca

Information on: pyrethrum

No toxic effects occur within the range of solubility.

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Chronic toxicity to fish

Information on: piperonyl butoxide

Information on: pyrethrum

No observed effect concentration 0.0019 mg/l, Pimephales promelas

Information on: permethrin

No observed effect concentration 0.0003 mg/l, Pimephales promelas

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Chronic toxicity to aquatic invertebrates

Information on: piperonyl butoxide

No observed effect concentration 0.03 mg/l, Daphnia magna

Information on: pyrethrum

No observed effect concentration (28 d) 0.00086 mg/l, Daphnia magna

Information on: permethrin

No observed effect concentration (30 d) 0.000011 mg/l, Mysidopsis bahia

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### Persistence and degradability

Assessment biodegradation and elimination (H2O)

Information on: Piperonylbutoxide

Not readily biodegradable (by OECD criteria).

Information on: pyrethrum

Not readily biodegradable (by OECD criteria).

Information on: permethrin

Not readily biodegradable (by OECD criteria).

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### Bioaccumulative potential

Assessment bioaccumulation potential

The product has not been tested. The statement has been derived from the properties of the individual components.

Assessment bioaccumulation potential

Information on: Piperonylbutoxide

Accumulation in organisms is not to be expected.

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# **Bioaccumulation potential**

Information on: pyrethrum

Bioconcentration factor: 471

Accumulation in organisms is not to be expected.

Information on: permethrin

Bioconcentration factor: 570 - 610, Lepomis macrochirus

Accumulation in organisms is not to be expected.

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# Mobility in soil

### Assessment transport between environmental compartments

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Piperonylbutoxide

Adsorption to solid soil phase is not expected.

Information on: pyrethrum

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Information on: permethrin

Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

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# **Additional information**

Other ecotoxicological advice:

Do not discharge product into the environment without control.

# 13. Disposal considerations

#### Waste disposal of substance:

Pesticide wastes are regulated. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container disposal:

Do not cut, puncture, crush, or incinerate empty aerosol containers. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Empty aerosol cans may meet the definition of RCRA D003. Consult local and/or regional EPA for further guidance.

# 14. Transport Information

Land transport USDOT

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1, EHSM

Proper shipping name: AEROSOLS (contains 1,1-DIFLUOROETHANE, KEROSENE

(PETROLEUM), PYRETHRINS)

Sea transport

**IMDG** 

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1, EHSM

Marine pollutant: YES

Proper shipping name: AEROSOLS (contains 1,1-DIFLUOROETHANE, KEROSENE

(PETROLEUM), PYRETHRINS)

Air transport IATA/ICAO

Hazard class: 2.1
ID number: UN 1950
Hazard label: 2.1

Proper shipping name: AEROSOLS, FLAMMABLE

Further information

DOT: This product may be classified as ORM-D (Consumer Commodity) or Limited Quantity. After

12/31/2020, ORM-D will not apply.

# 15. Regulatory Information

# **Federal Regulations**

Registration status:

Crop Protection TSCA, US released / exempt

Chemical TSCA, US blocked / not listed

**EPCRA 311/312 (Hazard categories):** Acute; Chronic; Fire; Sudden release of pressure

**EPCRA 313:** 

CERCLA RQ<br/>1 LBSCAS Number<br/>8003-34-7Chemical name<br/>Pyrethrins

# State regulations

State RTK	CAS Number	Chemical name
PA	64742-47-8	Distillates, petroleum
MA	75-37-6	Ethane, 1,1-difluoro-
	64742-47-8	Distillates, petroleum
NJ	75-37-6	Ethane, 1,1-difluoro-
	64742-47-8	Distillates, petroleum
	51-03-6	Piperonylbutoxide

### Labeling requirements under FIFRA

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 workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

CAUTION:

KEEP OUT OF REACH OF CHILDREN.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

HARMFUL IF SWALLOWED.

HARMFUL IF INHALED.

HARMFUL IF ABSORBED THROUGH SKIN.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of dusts.

Wash thoroughly after handling.

Flammable Liquid

Aerosol container contains flammable gas under pressure.

# 16. Other Information

# SDS Prepared by:

BASF NA Product Regulations SDS Prepared on: 2016/11/18

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND. EITHER EXPRESSED OR IMPLIED. INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK. **END OF DATA SHEET**