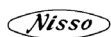


Section 1 Identification			
Product identifier		Migiwa 20 SC	
Registration No.		35443 (Pest Control Products Act)	
Other means of identification		Suspension concentrate containing Ipflufenquin as active ingredient	
Recommended Use of the chemical and restrictions on use		Fungicide for agricultural use	
Distributor	Name	Belchim Crop Protection Canada, Inc.	
	Address	104 Cooper Drive, Unit 3, Guelph, Ontario N1C 0A4	
	TEL. No.	866-613-3336	Fax No. 519-826-7675
Manufacturer	Name	Nippon Soda Co., Ltd.	
	Address	7-2 Marunouchi 2-Chome, Chiyoda-ku, Tokyo 100-7010, JAPAN	
	TEL. No.	+81-3-4212-9653	Fax No. +81-3-4212-9677
Emergency	TEL. No.	+1-703-741-5970 (CHEMTREC)	

Section 2 Hazard(s) Identification	
Classification	Hazardous to the Aquatic Environment-Acute Hazard: Hazard category 3 Hazardous to the Aquatic Environment-Long-Term Hazard: Hazard category 3
Signal word	Not applicable
Hazard statement	H402 Harmful to aquatic life H412 Harmful to aquatic life with long lasting effects
Symbol	Not applicable
Precautionary statement	Prevention P273 Avoid release to the environment. Response Not applicable Storage Not applicable Disposal P501 Dispose of contents/container in accordance with local/national/international regulations.
Description of any hazards not otherwise classified	Not applicable

Section 3 Composition/Information on Ingredient		
Component	CAS No.	Concentration (wt%)
Active Ingredient NF-180 2-[2-(7,8-difluoro-2-methylquinolin-3-yloxy)-6-fluorophenyl]propan-2-ol ISO name: Ipflufenquin	1314008-27-9	18.4



Additives (surfactants, others) and water	-	81.6
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Section 4 First-Aid Measures

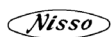
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	Remove contaminated clothing and shoes. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Ingestion	Rinse mouth with water. Call a POISON CENTER/doctor. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	Not available
Indication of immediate medical attention and special treatment needed, if necessary	No specific antidote. Supportive care. Treatment based on judgment of physician in response to symptoms of patient.

Section 5 Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media	Suitable extinguishing media: Dry chemicals, Carbon dioxide, Alcohol foam or water spray Unsuitable extinguishing media: Not known
Specific hazards arising from the chemical	Thermal decomposition or combustion may produce harmful/irritant gas or fume such as carbon oxides, nitrogen oxides, sulfur oxides and hydrogen fluoride.
Special protective equipment and precautions for fire-fighters	Protective equipment Wear self-contained breathing apparatus and complete protective equipment. Precautions for fire-fighters Move containers away from fire area if it can be done without risk. If impossible to remove containers from fire zone, cool them with water spray.

Section 6 Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures	Wear personal protective equipment. Refer to Section 8 for personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing mist/vapors. Evacuate area.
Environmental precautions	This product is harmful to aquatic life with long lasting effects. Prevent this product from entering into drains, ditches or rivers.
Methods and materials for containment and cleaning up	Sweep up, place in containers and holds for waste disposal. Use inert absorbent (e.g. sand or vermiculite) to complete pick-up if necessary. Use vacuum truck if spill is large. Wash out spill-site after material pick-up is complete. Do not discharge to river, sea, lake, waterway or sewer systems directly. Obey local/national/international regulations for health & safety and environmental protection when the accidental spills are treated.

**Section 7 Handling and Storage**

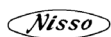
Precautions for safe handling	Wear personal protective equipment. Refer to Section 8 for personal protective equipment. Keep out of the reach of children. Avoid contact with skin, eyes and clothing. Avoid breathing mist/vapors. Use only in a well ventilated areas, or chemical fume hood. Wash hands and face thoroughly after handling.
Conditions for safe storage	Keep in container tightly closed. Store in a cool and dry place without sunlight. Do not store with oxidizing agent, acids or bases.

Section 8 Exposure Controls/Personal protection

Control parameters	TLV/ACGIH (2018) Not listed		
Appropriate engineering controls	Use general and/or local exhaust ventilation to control mist/vapors. Provide safety shower and eye washes in work area.		
Individual protection measures, such as personal protective equipment			
Respiratory	Appropriate respirator for organic vapor	Gloves	Impermeable gloves such as rubber or polyvinyl chloride.
Eye/Face	Safety goggles	Footwear	Safety shoes
Clothing	Working clothes with long sleeves	Others	Not required

Section 9 Physical and Chemical Properties

Appearance	Off-white liquid		Odor	Unperceivable
Odor threshold	Not available		pH	Not available
Melting Point/freezing point	114.4 ~ 115.5 °C (as active ingredient)		Initial boiling point and boiling range	Not available
Flash Point	Not flammable		Evaporation rate	Not applicable
Flammability (solid, gas)	Not applicable			
Upper/lower flammability or explosive limits	Upper	Not available	Lower	Not available
Vapor Pressure	< 1.0×10 ⁻⁵ Pa at 20°C (as active ingredient)		Vapor Density	Not applicable
Relative density	Not available		Specific Gravity	1.089 (20°C)
Solubility in water	Not available		Solubility in solvent	Not available
Log Po/w	3.89 in shake flask method (25 °C, active ingredient)		Auto-ignition Temperature	Not applicable
Decomposition temperature	Not available		Viscosity	Not available
Explosive properties	Predicted to be negative based on the chemical structures		Oxidizing properties	Classification not possible



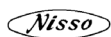
Surface tension	Not available	Particle size distribution	Not available
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Section 10 Stability and Reactivity

Reactivity	The dangerous reactivity is not known.
Chemical Stability	This product is stable in normal handling and storing condition.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	High temperature, direct sunshine
Incompatible Materials	Oxidizing agents, strong acids and bases
Hazardous decomposition Products	Thermal decomposition or combustion may produce carbon oxides, nitrogen oxides and hydrogen fluoride.

Section 11. Toxicological Information

Acute Toxicity			
Oral	LD ₅₀ (rat)	> 2000 mg/kg (female)	
Dermal	LD ₅₀ (rat)	> 2000 mg/kg (male, female)	
Inhalation	LC ₅₀ (rat)	> 1.60 mg/L (male, female)	
Skin corrosion/irritation (rabbit)			
Not irritant			
Serious eye damage/irritation (rabbit)			
Not irritant			
Respiratory or skin sensitization			
Respiratory: Not available			
Dermal (guinea pig) : Non-sensitizer			
Germ cell mutagenicity (as active ingredient)			
Ames test:		Negative	
Chromosomal aberration test (human lymphocyte): Negative			
Cytogenetic test (mouse lymphoma):		Negative	
Micronucleus test (mouse):		Negative	
Comet assay (rat and mouse):		Negative	
Carcinogenicity (as active ingredient)			
Negative (rat)			
Negative (mouse)			
Substance	NTP	IARC Monograph	OSHA
Active ingredient	Not listed	Not listed	Not listed



Reproductive toxicity (as active ingredient)

Reproductive toxicity test

Negative (rat)

Teratogenicity

Negative (rat)

Negative (rabbit)

STOT-single exposure: Not available

STOT-repeated exposure:

Chronic toxicity(as active ingredient)

NOAEL (rat): 24.77 mg/kg/day(male), 33.75 mg/kg/day(female) (2 years)

NOAEL (mouse): 105.6 mg/kg/day(male), 116.6 mg/kg/day(female) (1.5 years)

Aspiration hazard: Not available

Others: Not available

Section12 Ecological Information

Ecotoxicity

Acute Toxicity for Fish

Rainbow trout LC₅₀ (96hr): 32.9 mg/L

Acute Toxicity for Invertebrate

Daphnia magna EC₅₀ (48hr): > 50 mg/L

Acute Toxicity for Algae

ErC₅₀ (72hr): > 50 mg/L

NOEC(72hr): 20 mg/L

Persistence and degradability (as active ingredient)

Not readily biodegradable

Bioaccumulative potential (as active ingredient)

BCF_{KL}: 214

Mobility in soil

Not available

Others

Not available

Section 13 Disposal Considerations

- 1) Dispose of contents/container in accordance with local/regional/national/international regulations.
- 2) Empty the packaging completely prior to disposal.

Section 14 Transport Information

International marine transportation(IMDG)

This product is not classified as dangerous goods in IMDG code.

Marine pollutant: Not applicable

ICAO/IATA Dangerous Goods Regulations

This product is not classified as dangerous goods in ICAO/IATA-DGR.

Environmentally hazardous Not applicable



DOT Regulations

This product is not classified as dangerous goods in DOT Regulations.

Marine pollutant: Not applicable

Special precautions for use

None

Section 15 Regulatory Information

Regulatory Information in US

Substance (CAS No.)	Ipflufenquin (1314008-27-9)
TSCA	Not listed
CERCLA/ SARA	Not listed

Regulatory Information in Canada

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to specific label 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 information as required on the pest control product label.

Signal word

CAUTION – POISON



Harmful if absorbed through skin. Harmful if swallowed. Harmful if inhaled. There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

Regulatory Information in other areas

Substance (CAS No.)	Ipflufenquin (1314008-27-9)
ENCS(JAPAN)	Not listed (R & D)
EINECS(EU)	Not listed
DSL/NDSL(Canada)	Not listed
ECL(South Korea)	Not listed
IECSC(China)	Not listed

Section 16 Other Information, including date of preparation or last revision

Label Information

NFPA Rating : Health hazard : 1 Flammability Hazard :0 Instability Hazard : 0

Revised information

This SDS was prepared according to WHMIS 2015.

Address, Telephone number and Facsimile number of Manufacturer were updated.

References

None.

Date Prepared	February 27, 2019	Date Revised	February 11, 2025 (Ver.1)
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