



Safety Data Sheet

Preparation Date 17-Nov-2020

Revision date 11-Jun-2024

Revision Number: 4

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the product

Product Description Select Plus Herbicide

Other means of identification

Internal SDS code CAN-0002

UN/ID no NA1993

Registration number(s) PMRA Reg. No 34744

Recommended use of the chemical and restrictions on use

Recommended use Insecticide.

Uses advised against Activities contrary to label recommendation

Details of the Supplier of the Safety Data Sheet

Supplier Address

UPL Agrosolutions Canada Inc .

PO Box 12219

Research Triangle Park, NC,

27709

Emergency telephone number

Company Phone Number 610-223-2180

Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison and Drug Safety (866) 673-6671 (24hrs)

2. Hazards Identification

Classification

OSHA Regulatory Status

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

Label elements

EMERGENCY OVERVIEW

WARNING

Hazard Statements

CAUSES SKIN IRRITATION

CAUSES EYE IRRITATION



Appearance emulsifiable concentrate

Physical state Liquid

Odor Petroleum distillates

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

Do not get in eyes, on skin, or on clothing

Contaminated work clothing should not be allowed out of the workplace

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)**OTHER INFORMATION**

• MAY BE HARMFUL IF SWALLOWED

• Toxic to aquatic life

3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Clethodim	99129-21-2	25.77
Hydrocarbons, C10-C13, aromatics	64742-94-5	57.35
Quizalofop-P-Ethyl	100646-51-3	12.29

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First aid measures**FIRST AID MEASURES**

Eye contact	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Call a poison control center or doctor for treatment advice.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
Ingestion	Call a physician or poison control center immediately. Clean mouth with water. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects no data available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician Treat symptomatically.

5. Fire-fighting measures**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media no data available.

Specific hazards arising from the chemical

No information available.

Hazardous combustion products Carbon oxides.

Explosion data

Protective equipment and precautions for firefighters

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 Use personal protective equipment. Avoid contact with skin and eyes. Take precautionary measures against static discharges.

Environmental Precautions

Environmental precautions Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Methods and material for containment and cleaning up

Methods for Clean-Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling

Handling Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Ensure that eyewash stations and safety showers are close to the workstation location. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place.

incompatible materials OXIDIZERS.

8. Exposure Controls/Personal Protection

Exposure guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering controls Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Personal protective equipment

Eye/Face Protection

Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact.

Skin protection

Wear protective gloves/clothing.

Respiratory protection

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe

respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

General hygiene considerations

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance	emulsifiable concentrate	
Physical state	Liquid	
Odor	Petroleum distillates	
color	Off-white to Tan	
Property	VALUES	Remarks/ Method
pH	4.28	(1% aq)
Melting point/freezing point		None known
Boiling Point/Range		None known
Flash Point	65 °C	Closed cup
Evaporation Rate		None known
Flammability (solid, gas)		None known
Specific gravity	0.9805 @ 25C	None known
Bulk density		None known
Water solubility		None known
Solubility in Other Solvents	Dispersible in water	None known
Partition coefficient: n-octanol/water		None known
Autoignition temperature		None known
Decomposition temperature		None known
Viscosity		None known

9.2 OTHER INFORMATION- NONE**10. Stability and Reactivity****Reactivity**

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

incompatible materials

OXIDIZERS.

Hazardous decomposition products

Nitrogen oxides (NO_x). Oxides of sulfur.

11. Toxicological Information**Information on Likely Routes of Exposure**

Product information	H1331aa / Select Plus Acute oral LD50 = >2000 mg/kg Acute dermal LD50 = >2000 mg/kg Acute Inhalation LC50 = >25.312 mg/L
Inhalation	May cause irritation of respiratory tract.
Eye contact	May cause irritation.
Skin contact	Substance may cause slight skin irritation.
Ingestion	MAY BE HARMFUL IF SWALLOWED.

Information on Toxicological Effects

Symptoms No information available.

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

Sensitization	No information available.
Mutagenic effects	no data available.
Carcinogenicity	Clethodim technical = Cause liver effects and anemia in chronic studies in rodent and dogs. non carcinogenic in lifetime feeding studies in rats and mice. Not a reproductive toxicant in a 2 generation study in rats Not a primary developmental oxican in rats/rabbits. Not mutagenic or genotoxic based on overall weight of evidence in vitor and in vivo tests.
Reproductive effects	Not Available.
STOT - Single Exposure	no data available.
STOT - Repeated Exposure	no data available.
Aspiration hazard	No information available.

Numerical Measures of Toxicity - No information available

LD50 Oral	2000 mg/kg
LD50 Dermal	> 2000 mg/kg
LC50 Inhalation	> 20 mg/l

12. Ecological Information**ecotoxicity**

May be toxic to aquatic invertebrates
May be toxic to fish

Clethodim (technical) = FISH toxicity
Rainbow trout 96 hr LC50 = 65 mg/L
Bluegill sunfish 96 hr LC50 = 120 mg/L
AVIAN toxicity
Bobwhite quail LC50 = >6000 ppm
Mallard duck LC50 = >6000 ppm
Quizalofop-p-ethyl
Rainbow trout 96 hr LC50 0.72 mg/l
Daphnia magna 48 hr EC50 51.9 mg/l

Persistence/Degradability

no data available.

Bioaccumulation/ Accumulation

No information available.

Chemical name	Log Pow
Hydrocarbons, C10-C13, aromatics 64742-94-5	2.9 - 6.1

Other Adverse Effects

no data available

13. Disposal Considerations**Waste Treatment Methods****Waste Disposal Method**

Pesticide wastes can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated packaging

Refer to product label.

14. Transport Information**DOT**

When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated.

When shipped in bulk or internationally the marine pollutant marking must also be added to the package.

UN/ID no
Proper shipping name
Hazard class
Packing group

NA1993
Combustible liquid, n.o.s (Petroleum distillates)
Comb Liq
PG III

TDG

When shipped in Canada domestic highway non-bulk this product can be shipped as Not regulated as per TDG 1.45.1
In bulk, by vessel or internationally - use IMDG description

IATA

UN/ID no
Proper shipping name
Hazard class
Packing group
Description

Single or inner packagings less than 5L (liquid) or 5kg net (solids) are excepted from the Dangerous Goods regulations (IATA Special provision A197)
UN3082
Environmentally hazardous substances, liquid, n.o.s (Quizalofop-p-ethyl)
9
PG III
Marine pollutant

IMDG

UN/ID no
Proper shipping name
Hazard class
Packing group
Environmental hazards

Single or inner packaging less than 5L (liquid) or 5 kg net (solids) are excepted from the Dangerous Goods regulations (IMDG 2.10.2.7)
UN3082
Environmentally hazardous substances, liquid, n.o.s (Quizalofop-p-ethyl)
9
PG III
Marine pollutant

15. Regulatory Information

This chemical/product is a pesticide product registered by the PMRA and is subject to specific label requirements under these regulations. The requirements may differ classification and hazard information required for safety data sheets and for labels of non-pesticide products. The following is information as required on the registered product label.

signal word

WARNING

EYE IRRITANT. Toxic to non-target terrestrial plants. Toxic to aquatic organisms. Do not freeze.

International Inventories

USINV	Not present
DSL/NDSL	Not present
EINECS/ELINCS	Not Present
ENCS	Not Present
China	Not Present
KECL	Not Present
PICCS	Not Present
AICS	Not Present
TSCA	Not Present

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 Commercial Chemical Substances/EU 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

Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

CERCLA

Not applicable

CERCLA

SARA Product RQ 0

RCRA**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Clethodim 99129-21-2 (25.77)			X	
Hydrocarbons, C10-C13, aromatics 64742-94-5 (57.35)			X	

State Regulations**State Right-to-Know****International regulations**

U.S. EPA Label information

EPA Pesticide registration number PMRA Reg. no 34744

16. Other Information**NFPA** **HEALTH 2** **flammability 2** **Instability 0** **Physical hazard -****Preparation Date** 17-Nov-2020**Revision date** 11-Jun-2024**Revision Summary**

Update address Update section 4

Disclaimer

UPL NA Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with other materials or in any process. Further, since the conditions and methods of use are beyond the control of UPL NA Inc. and UPL NA Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

End of SDS