

Safety Data Sheet
SeedZone IF®

Safety Data Sheet dated 3/17/2025, version 3

Printing date:3/17/2025

1. IDENTIFICATION

Product identifier

Trade name: SeedZone IF®

Chemical description: Blend based on carboxymethyl cellulose, potassium salt.

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial uses and professional uses for plant protection products and/or for agrochemical treatments

Restrictions on use:

Not known

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Supplier:

PRECISION LABORATORIES, LLC

10016 55th Kenosha, WI 53144

Phone: (847) 596-3001

Competent person responsible for the safety data sheet:

regulatory@precisionlab.com

Emergency phone number

CHEMTREC - Phone: +1 800 424 9300

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Following GHS and within the meaning of 29 CFR 1910.1200 (OSHA)

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

Following GHS and within the meaning of 29 CFR 1910.1200 (OSHA)

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

None

Ingredient(s) with unknown acute toxicity:

None.

Safety Data Sheet
SeedZone IF®

<p>3. COMPOSITION/INFORMATION ON INGREDIENTS</p> <p>Substances: N.A.</p> <p>Mixtures: Hazardous components within the meaning of 29 CFR 1910.1200 and related classification: No ingredients to be listed.</p>
<p>4. FIRST-AID MEASURES</p> <p>Description of necessary measures In case of skin contact: Wash with plenty of water and soap.</p> <p>In case of eyes contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p>In case of Ingestion: Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.</p> <p>In case of Inhalation: Remove casualty to fresh air and keep warm and at rest.</p> <p>Most important symptoms/effects, acute and delayed None</p> <p>Indication of immediate medical attention and special treatment needed Treatment: None</p>
<p>5. FIRE-FIGHTING MEASURES</p> <p>Suitable extinguishing media: Water. Carbon dioxide (CO₂).</p> <p>Unsuitable extinguishing media: Not known.</p> <p>Specific hazards arising from the chemical: Do not inhale explosion and combustion gases. Burning produces heavy smoke.</p> <p>Hazardous combustion products: None</p> <p>Explosive properties: N.D. Oxidizing properties: N.D.</p> <p>Special protective equipment and precautions for fire-fighters: Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.</p>

Safety Data Sheet
SeedZone IF®

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up:

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes, inhalation of vapors and mists.

Do not use on extensive surface areas in premises where there are occupants.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities:

In order to maintain the performance of the product, store at room temperature and protect from frost.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequate ventilation in working area.

Packaging suggested:

Plastic drums/IBCs

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

No occupational exposure limit available

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Not needed for normal use.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged, select NIOSH/MSHA approved equipment.

Thermal Hazards:

None

Safety Data Sheet
SeedZone IF®

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes:
Appearance and color:	Viscous liquid. (20 °C.)	--	--
Odor:	Slight	--	--
Odor threshold:	N.D.	--	--
pH 1% in water:	6.5 - 7.5	--	--
Melting point / freezing point:	N.D.	--	--
Kinematic viscosity:	N.D.	--	--
Initial boiling point and boiling range:	> 212 °F (> 100 °C)	--	--
Solid/gas flammability:	N.D.	--	--
Upper/lower flammability or explosive limits:	N.D.	--	--
Vapor density:	N.D.	--	--
Flash point:	> 212 °F (> 100 °C)	--	--
Evaporation rate:	N.D.	--	--
Vapor pressure:	N.D.	--	--
Relative density:	1.050 - 1.250 Kg/l (@20 °C.)	--	--
Solubility in water:	Soluble	--	--
Solubility in oil:	N.D.	--	--
Partition coefficient (n-octanol/water):	N.D.	--	--
Auto-ignition temperature:	N.D.	--	--
Decomposition temperature:	N.D.	--	--
Viscosity:	1000 - 3000 cPs	Brookfield RVT @ 20°C. 20 rpm	--
Miscibility:	N.D.	--	--
Fat Solubility:	N.D.	--	--
Conductivity:	N.D.	--	--
Substance Groups relevant properties	N.D.	--	--

10. STABILITY AND REACTIVITY

Reactivity:

Stable under normal conditions

Chemical stability:

Safety Data Sheet

SeedZone IF®

Stable under normal conditions
Possibility of hazardous reactions:
Stable under normal conditions
Conditions to avoid:
Stable under normal conditions.
Incompatible materials:
Not known
Hazardous decomposition products:
Not known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

a) acute toxicity

Not classified

The classification criteria are not met.

EPA OCSPP: 870.1100 Oral Rat LD50> 5000 mg/kg/day - source: Lamberti Group internal data.

EPA OCSPP: 870.1200 Skin Rat LD50> 5050 mg/kg/day - source: Lamberti Group internal data.

b) skin corrosion/irritation

Not classified

The classification criteria are not met.

EPA OCSPP: 870.2500 Skin Rabbit : Not irritant. - Duration: 24h - source: Lamberti Group internal data.

c) serious eye damage/irritation

Not classified

The classification criteria are not met.

EPA OCSPP: 870.2400 Eye Rabbit : Not irritant. - Duration: 72h - source: Lamberti Group internal data.

d) respiratory or skin sensitization

Not classified

The classification criteria are not met.

e) germ cell mutagenicity

Not classified

The classification criteria are not met.

OECD 471 Ames Test : Not mutagenic. - source: By analogy to products with similar structure.

f) carcinogenicity

Not classified

The classification criteria are not met.

g) reproductive toxicity

Not classified

The classification criteria are not met.

h) STOT-single exposure

Not classified

Safety Data Sheet

SeedZone IF®

- The classification criteria are not met.
- i) STOT-repeated exposure
Not classified
The classification criteria are not met.
 - j) aspiration hazard
Not classified
The classification criteria are not met.

Substance(s) listed on the NTP report on Carcinogens:
None.

Substance(s) listed on the IARC Monographs:
None.

Substance(s) listed as OSHA Carcinogen(s):
None.

Substance(s) listed as NIOSH Carcinogen(s):
None.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Ecological information of the mixture:
a) Aquatic acute toxicity:
EC50/LC50 > 100 mg/l - aquatic species. - Notes: Based on components.

Persistence and degradability
Ecological information of the mixture:
Biodegradability: Intrinsically biodegradable. - Test: OECD 302 - Notes: Based on components.

Bioaccumulative potential
Ecological information of the mixture:
Bioaccumulation: Data not available

Mobility in soil
Ecological information of the mixture:
Mobility in soil: Data not available

Other adverse effects
None
Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods
If possible recover the product in accordance with local regulation.

14. TRANSPORT INFORMATION

14.1. UN number
Not classified as dangerous in the meaning of transport regulations.

Safety Data Sheet

SeedZone IF®

- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
- 14.4. Packing group
N.A.
- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
N.A.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
N.A.

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on EPA list. (Inert ingredients permitted in pesticide products).

SARA - Superfund Amendments and Reauthorization Act

Section 302 - Extremely Hazardous Substances: no substances listed.

Section 304 - Hazardous substances: no substances listed.

Section 313 - Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

None.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

No substances listed.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

No substances listed.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

No substances listed.

Safety Data Sheet SeedZone IF®

Hazardous Materials Identification System (HMIS) rating:

HEALTH	/	1
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

HAZARD INDEX:

0: minimal hazard

1: slight hazard

2: moderate hazard

3: serious hazard

4: severe hazard

B : Safety glasses, gloves.

Section 311/312 Title III - Not-hazardous

16. OTHER INFORMATION

Sections modified from the previous revision:

9. PHYSICAL AND CHEMICAL PROPERTIES

Disclaimer:

The product must be stored, handled and used according to criteria of good industrial practice and to regulations in force. This leaflet is offered for your consideration and guidance only. This leaflet complements the Technical Data Sheet but does not replace it. The information herein contained is given to the best of our knowledge at the time of issue.

Due to the several ways in which the product may be used and the possible interaction with variables not depending on or unknown to the supplier, we also cannot accept any liability whatsoever for any loss or damage however arising from the handling and use of our products.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.

Safety Data Sheet
SeedZone IF®

EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not Applicable
N.D.:	No Data available
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average