



Safety Data Sheet

30-May-2024

1. IDENTIFICATION

Product Name Agrisel® SpeedPro XT
Active Ingredient Glufosinate + Imazethapyr
Registration Number 45002-32-72159
Recommended Use Herbicide
Manufacturer Address Agrisel USA, Inc.
P.O. Box 3528
Suwanee, GA 30024

Emergency telephone numbers
Agrisel's Phone Number 770-831-4160
Emergency Telephone CHEMTREC: 800-424-9300
CHEMTREC: 703-527-3887
POISON CONTROL CENTER: 800-222-1222

2. HAZARDS IDENTIFICATION

Hazard classifications

Physical Hazard/acute inhalation (Category 4)
Serious eye damage/eye irritation (Category 2A)
Reproductive toxicity (Category 1B)
Specific target organ toxicity (Category 2)

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. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray.

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 INHALED: Remove person to fresh air and keep comfortable for breathing.

Other Information

Store locked up. Dispose of contents/container to an approved waste. May be harmful if swallowed. May be harmful in contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Names</u>	<u>CAS No</u>	<u>Weight-%</u>	<u>Active Ingredient</u>
Propylene glycol	57-55-6	20.37-21.63	
Nonanoic acid	112-05-0	9.59-10.59	x
Glufosinate-ammonium	77182-82-2	9.50-10.50	x
Propylene glycol monomethyl ether	107-98-2	4.75-5.25	
Imazethapyr	81335-77-5	3.02-3.34	x
FD & C Blue #1	3844-45-9	.01-.009	
Other Ingredients	PROPRIETARY	>45.0	

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

4. FIRST AID MEASURES

If poisoning occurs	immediately contact a doctor or Poisons Information Centre, and follow the advice given. Show this Material Safety Data Sheet to the doctor.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If swallowed	Immediately call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Rinse under eye lids as well. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Do not rub the affected area. Continue to rinse as needed. Call a physician or poison control center immediately.
If on skin / clothing	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water. Then wash thoroughly with soap and water. Call a poison control center or doctor for further treatment advice.
Self-Protection of the First Aider	Avoid contact with skin, eyes or clothing. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent the spread of contamination. Avoid breathing vapor or mists. Use personal protective equipment as required. See section 8 for more information.
Most Important Symptoms	May cause redness and tearing of the eyes. Burning sensation. Coughing and/ or wheezing. Difficulty in breathing. Indication of any immediate medical attention and special treatment needed.
Note to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use of spraying water when fighting fire may be insufficient. Do not scatter spilled material with high pressure water stream
Fire-fighting Instructions	Evacuate the area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire-extinguishing systems are preferred to prevent environmental damage with excessive water run-off.
Specific Chemical Hazards	None
Hazardous Combustion Products	None
Protective equipment	Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing & equipment.
Precautions for Firefighters	Keep out of smoke. Fight fire from an upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses.

6. IN CASE OF SPILL

In Case of Spills or Leaks	Clean up immediately, observing sections 7 & 8 of this document, isolate hazard area, keep unnecessary and unprotected personnel from entering.
-----------------------------------	---

Personal precaution Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

Methods and material for containment and cleaning up

Method for containment Prevent further leakage or spillage if safe to do so.

Method for cleaning up Pick up and transfer to properly labeled container.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling 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. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storing Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Propylene glycol monomethyl ether 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

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region-specific regulatory bodies

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations, Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection Wear suitable protective clothing including long pants and long sleeves. Wear Chemical resistant nitrile rubber gloves. Protective shoes or boots and socks.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuff. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Blue; Green
Odor	Sweet
Odor threshold	No information available

<u>Property</u>	<u>Values</u>
pH	5.5 – 6.5
Melting point / freezing point	No information available
Boiling point / boiling range	No information available
Flash point	> 101.9 °C. / 215.4 °F.
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	96.02 (20°C); 40.33 (40°C)
Dynamic viscosity	No information available

Other Information

Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	1.025
Bulk density	No information available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatibility with other materials	None based on information supplied.
Hazardous Decomposition Products	None based on information supplied.
Reactivity	No information available
Possibility of hazardous reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed
-----------	---

Dermal Contact	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. May be harmful in contact with skin.
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation. (based on components).
Eye Contact	Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Coughing and/ or wheezing.

Acute toxicity

Numerical measures of toxicity Oral LD50 > 5000 mg/kg
Dermal LD50 > 5000 mg/kg
Inhalation LC50 > 2.29 mg/l

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene glycol 57-55-6	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Nonanoic acid 112-05-0	> 2 g/kg (Rat) = 5000 mg/kg (Rat)	= 2000 mg/kg (Rat)	0.46 - 3.8 mg/L (Rat) 4 h
Glufosinate-ammonium 77182-82-2	= 1620 mg/kg (Rat) = 1510 mg/kg (Rat)	> 4000 mg/kg (Rat) = 1380 mg/kg (Rat)	= 1.26 mg/L (Rat) 4 h > 0.62 mg/L (Rat) 4 h
Propylene glycol monomethyl ether 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 7559 ppm (Rat) 6 h
Imazethapyr 81335-77-5	> 5 g/kg (Rat)	> 2000 mg/kg (Rabbit)	-
FD& C Blue #1 3844-45-9	> 2 g/kg (Rat)	-	-

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

Skin corrosion/irritation	Slightly irritating to the skin.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	Did not cause sensitization on laboratory animals.
Germ cell mutagenicity	No information available
Carcinogenicity	No information available

Chemical Name	ACGIH	IARC	NTP	OSHA
FD & C Blue # 1 3844-45-9	-	Group 3	-	-

Reproductive toxicity	Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.
STOT-single exposure	No information available.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Target organ effects	Respiratory system, eyes, skin, central nervous system

Aspiration hazard No information available.

Other adverse effects No data available.

Interactive effects No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to microorganisms	Crustacea
Propylene glycol 57-55-6	EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata)	LC50: =51600mg/L (96h, Oncorhynchus mykiss) LC50: 41 - 47mg/L (96h, Oncorhynchus mykiss) LC50: =51400mg/L (96h, Pimephales promelas) LC50: =710mg/L (96h, Pimephales promelas)	-	EC50: >1000mg/L (48h, Daphnia magna) EC50: >10000mg/L (24h, Daphnia magna)
Nonanoic acid 112-05-0	-	LC50: 93.4 - 115mg/L (96h, Pimephales promelas) LC50: 68 - 121mg/L (96h, Oncorhynchus mykiss) LC50: =105mg/L (96h, Lepomis macrochirus)	-	-
Propylene glycol monomethyl ether 107-98-2	-	- LC50: =20.8g/L (96h, Pimephales promelas) LC50: 4600 - 10000mg/L (96h, Leuciscus idus)	-	- EC50: =23300mg/L (48h, Daphnia magna)

Persistence/Degradability: No information available.

Bioaccumulate potential: There is no data for this product.

Component Information

Chemical Name	Partition Coefficient
Propylene Glycol Monomethyl ether 107-98-2	-0.437

Environmental Precautions: No information available.

13. DISPOSAL CONSIDERATIONS

Dispose of contents and container in accordance with local regulations.

Waste treatment methods

Disposal of wastes

Follow container label instructions for disposal of wastes generated during use in compliance with the product label.

Contaminated packaging

Do not re-use empty containers.

14. TRANSPORT INFORMATION

US DOT

Not dangerous goods / not hazardous material

15. REGULATORY INFORMATION

EPA Pesticide Registration Number 45002-32-72159
EPA Pesticide Label WARNING/AVISO: causes substantial but temporary eye injury

INTERNATIONAL INVENTORY

TSCA	Does not comply
DSL/NDSL	Does not comply
EINESC/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AIIC	Does not comply

LEGEND

TSCA	United States Toxic Substances Control Act Section 8(b)
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
AIIC	Australian Inventory of Industrial Chemicals

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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US STATE REGULATIONS

California Proposition 65

This product does not contain any Proposition 65 chemicals

US STATE RIGHT-TO-KNOW REGULATIONS

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene glycol 57-55-6	<u>X</u>		<u>X</u>
Water 7732-18-5			<u>X</u>
Propylene glycol monomethyl ether 107-98-2	<u>X</u>	<u>X</u>	<u>X</u>
FD & C Blue #1 3844-45-9		<u>X</u>	

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**Disclaimer**

The information herein is presented in good faith and believed to be accurate as of the effective date shown. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state, and local laws and regulations. See SDS for health and safety information.

End of Safety Data Sheet