

Wynca USA™ Sunphosate® 41% Herbicide

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Wynca USA® Sunphosate® 41% Herbicide

EPA Reg. No: 87659-3

Active Ingredient: Isopropylamine Salt of Glyphosate

Chemical Class: Broad spectrum post-emergence herbicide

Company Identification:

CINMAX INTERNATIONAL LLC

3050 Metro Drive, Suite 113
Bloomington, MN 55425

EMERGENCY TELEPHONE NUMBERS:

CHEMTREC

Tel: 1 (800) 424-9300 for transportation and spills

SECTION 2: HAZARD IDENTIFICATION

Classification in accordance with regulation HCS 29CFR §1910.1200



WARNING

Moderately irritating to eyes.

Avoid contact with eyes, skin or clothing.

Physical Hazards: Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly flammable gas.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number:	(% w/w)
Glyphosate Isopropylamine Salt	38641-94-0	41.0%
Inert Ingredients		59.0%

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SECTION 4: FIRST AID MEASURES

FIRST AID

IF IN EYES

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses if present after the first 5 minutes then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

IF INHALED

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. Call a Poison Control Center or doctor for further treatment advice.

IF SWALLOWED

Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a Poison Control Center or doctor. Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222, collect day or night, for emergency medical treatment information.

Potential Health Effects:

EYE: Causes moderate eye injury.

SECTION 5: FIRE-FIGHTING MEASURES

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Category	Rating*
Health	1
Flammability	0
Reactivity	1
*4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

FLASH POINT (method):

Not flammable

FLAMMABLE LIMITS:

Not applicable

FIRE AND EXPLOSION HAZARD:

Thermal decomposition during a fire can produce fumes and irritating gases.

EXTINGUISHING MEDIA:

Use dry foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material. Minimize the use of water to avoid environmental contamination.

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SECTION 5: FIRE-FIGHTING MEASURES (cont'd)

- 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.
- FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus with full face-piece. Equipment should be thoroughly decontaminated after use.
- HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide, nitrogen oxides, and phosphorus oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Wear protective clothing as described in Section 8 of this SDS. Absorb liquid with material such as clay, sand, sawdust, or dirt. Sweep up and place in a suitable container for disposal and label the contents. Area can be washed down with a suitable solution of bleach or soda ash and an appropriate alcohol (methanol, ethanol, or isopropanol). Follow this by washing with a strong soap and water solution. Absorb any excess liquid as indicated above, and add to the disposal container. Keep product, contaminated materials and wash water out of streams and sewers. Wash exposed body areas thoroughly after handling.

SECTION 7: HANDLING AND STORAGE

Keep out of reach of children. Do not contaminate water, food or feed by storage or disposal.

HANDLING: Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

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SECTION 7: HANDLING AND STORAGE (cont'd)

Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling this product.

STORAGE: Keep container closed to prevent spills and contamination. Keep in original containers, tightly closed, and out of reach of children and animals. Keep away from food, feedstuff and water supplies. Containers should be stored in a cool, dry, well-ventilated area and away from heat. Do not allow product to freeze. Compatible storage materials include stainless steel, aluminum, fiberglass, plastic, and glass lined containers. Incompatible storage materials include galvanized steel and unlined mild steel.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: (8 hour TLV): None established.

<u>MATERIAL:</u>	<u>% BY WT.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Active Ingredient: Glyphosate	41.0%	Not established	Not established
Inert Ingredients: Trade Secret	59.0%	Not established	Not established

VENTILATION: Provide general and/or local exhaust ventilation. Ventilate all transport vehicles prior to unloading.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks, and protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Domestic Animals: This product is considered to be relatively non-toxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (cont'd)

Engineering Controls: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Clear, slightly yellow
Physical State:	Liquid
Odor:	Mild
Specific Gravity:	1.160 g/cc @ 24° C
Solubility:	Completely soluble in water
Flash Point:	Not flammable
pH:	4.41 in an aqueous solution
Stability:	Stable
Partition Coefficient:	Log Pow = < 0.000 (active ingredient)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable, however may decompose if heated. Avoid excessive heat and fire.
CHEMICAL CONDITIONS TO AVOID:	
INCOMPATIBILITY WITH OTHER MATERIALS:	Reacts with galvanized steel or unlined mild steel to produce hydrogen, a highly flammable gas.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, nitrogen oxides, and phosphorus oxides.
HAZARDOUS POLYMERIZATION:	Product will not undergo polymerization.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

ORAL (rat):	The oral LD50 is > 5,000 mg/kg .
DERMAL(rat):	The dermal LD50 is > 5,000mg/kg.
INHALATION (rat):	The LC50 (4 hr) is 1.6 mg/l air.

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SECTION 11: TOXICOLOGICAL INFORMATION (cont'd)

EYE IRRITATION (rabbit):	Causes moderate eye irritation.
SKIN IRRITATION (rabbit):	Causes slight skin irritation. Effects reversed in 7 days.
SKIN SENSITIZATION (guinea pig):	Not a skin sensitizer.

EYE: Causes moderate eye injury.

SKIN CONTACT: Not expected to produce significant adverse effects. Laboratory tests indicate slight skin irritation in rabbits. Based on the Buehler test in guinea pigs, it was determined that this material is not a skin sensitizer.

SKIN ABSORPTION: The acute dermal toxicity is considered to be low. The dermal LD_{50} for rats is greater than 5,000 mg/kg.

INGESTION: The acute oral toxicity is considered to be low. The oral LD_{50} for rats is greater than 5,000 mg/kg.

INHALATION: The acute inhalation data suggests that this material is slightly toxic. The inhalation LC_{50} for rats is 1.6 mg/l for 4 hours.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS:

CANCER INFORMATION: Chronic feeding studies with glyphosate in mice and rats indicated no treatment related effects or any evidence of carcinogenicity in laboratory animals. The no effect levels in rats and mice were greater than 20,000 mg/kg and greater than 30,000 mg/kg in the diet, respectively.

TERATOLOGY (BIRTH DEFECTS): Glyphosate did not cause embryotoxicity, fetotoxicity, or any other teratogenic effects in animal studies. The no effect levels in rabbits and rats were 175 mg/kg and 1,000 mg/kg body weight, respectively.

REPRODUCTIVE EFFECTS: Glyphosate did not interfere with fertility in animal reproduction studies. The no effect level in a three-generation rat reproduction study was greater than 30 mg/kg body weight.

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): Based on a number of *in vivo* and *in vitro* studies, it was concluded that glyphosate is not a mutagen.

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SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinseate.

PHYSICAL ENVIRONMENTAL PROPERTIES: Although glyphosate is stable to hydrolysis and photolysis, it is rapidly decomposed in the environment by microbial breakdown into CO₂ (the half-life in soil ranged from 2 to 174 days). Glyphosate strongly absorbs to soils, it is non-mobile in soils, and it does not bioaccumulate.

ENVIRONMENTAL TOXICOLOGY: Glyphosate is slightly toxic to fish and practically non-toxic to aquatic invertebrates, honey bees, earthworms, and birds. This material is considered to be moderately toxic to algae and other aquatic plants.

AQUATIC TOXICITY: LC50 (96 hr) for Bluegill sunfish - 24 mg/l
LC50 (96 hr) for Rainbow trout - 42 mg/l
EC50 (48 hr) for Daphnia magna - 160 mg/l
EC50 (72 hr) for Green algae (growth rate) - 8.0 mg/l
EC50 (96 hr) for Green algae (acute toxicity) - 2.6 mg/l

AVIAN TOXICITY: LC50 (5 days) for Bobwhite quail - > 5,620 mg/kg diet
LC50 (5 days) for Mallard duck - > 5,620 mg/kg diet

NON-TARGETS: LD50 (48 hr) Honey bee - > 100 µg/bee
LC50 (14 days) Earthworm - > 5,000 mg/kg of dry soil.

BIOAC CUMULATION: BCF (whole fish) for Bluegill sunfish - < 1

DISSIPATION: Soil, field (half life) - 2 to 174 days Koc
- 884 to 60,000 l/kg
Water, aerobic (half life) - < 7 days

SECTION 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

CONTAINER DISPOSAL: Non-refillable containers. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling or reconditioning, if appropriate, or dispose of in a sanitary landfill, or by incineration, or if allowed by state

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SECTION 13: DISPOSAL CONSIDERATIONS (cont'd)

and local authorities, by burning. If burned, stay out of smoke.

Non-refillable container less than or equal to 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Non-refillable container greater than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over on its other end and tip back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows (all sizes): Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable container (265 gallon & Bulk): Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from the container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing process two more times.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated by DOT. None

HAZARD CLASS OR DIVISION: None

IDENTIFICATION NUMBER: Not applicable

PACKING GROUP - ADDITIONAL INFORMATION: None

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SECTION 15: REGULATORY INFORMATION

FIFRA INFORMATION: 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 for the workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

CAUTION: Harmful if inhaled. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with eyes or clothing.

Regulations under FIFRA: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

SARA 313 INFORMATION: This product does not contain any substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered an acute health hazard.

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

OSHA HAZARD COMMUNICATION STANDARD: This product is considered hazardous under the OSHA Hazard Communication Standard, 29 CFR Part 1910.1200.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, or SUPERFUND): Releases of this material to air, land, or water are not reportable to the National Response Center under CERCLA or to the state and local emergency planning committees under SARA Title III Section 304 and 40 CFR Part 302.

SECTION 16: OTHER INFORMATION

SDS Date: May 13, 2015 Updated: Feb. 24 2017

This document is prepared pursuant to the OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised in 2012. In addition, other substances not "Hazardous" per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

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SECTION 16: OTHER INFORMATION (cont'd)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. 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.