

Gly 62% MC Manufacturing Concentrate

Safety Data Sheet (SDS)

SECTION 1: IDENTIFICATION

Product Name: Gly 62% MC Manufacturing Concentrate

EPA Reg. No: 87659-2

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

Irritating to the eyes and skin.

Avoid contact with eyes, skin or clothing.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	CAS Number	(% w/w)
Glyphosate Isopropylamine Salt	38641-94-0	62.0%
Inert Ingredients		38.0%

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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 ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water of 15 20 minutes. 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: May cause slight eye irritation.

SKIN: May cause slight skin irritation.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT (method): Not flammable

FLAMMABLE LIMITS: Not determined.

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. Contain all runoff.

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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 fire-extinguishing water to prevent environmental damage with excessive water runoff.
FIRE FIGHTING EQUIPMENT:	Self-contained breathing apparatus with full face-piece. Full fire fighting turnout gear (Bunker gear).
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, nitrogen oxides, and phosphorus oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Wear proper safety equipment specified in Section 8 when handling this product.

SMALL SPILL: Contain small spill by diking with a suitable absorbent material. Sweep up absorbed spill and place material in appropriate recovery drums for disposal.

LARGE SPILL: Contain large spill by diking with a suitable absorbent material and recover for disposal. After removal, neutralize the spill area, tools, and equipment with a dilute alkaline solution (soda ash or lime) followed by an appropriate alcohol (methanol, ethanol or isopropanol). Wash the spill area, tools, and equipment with strong soap and water solution. Absorb any excess liquid and add to the recovery drums of waste already collected. Dispose all wastes as described in Section 13.

SECTION 7: HANDLING AND STORAGE

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

HANDLING: Solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, fiberglass, plastic and plastic-lined containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR TANKS. This product or solutions of this product react with such containers

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SECTION 7: HANDLING AND STORAGE (cont'd)

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.

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

STORAGE: Store above 32°F (0°C) to keep from crystallizing. Crystals will settle to the bottom. If allowed to crystallize, warm to 68°F (20°C) and mix well or recirculate to redissolve before using. Store in original container. Do not store near heat or open flame.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: (8 Hour TWA): None established.

<u>MATERIAL:</u>	<u>% BY WT.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Active Ingredient: Glyphosate	62.0%	Not established	Not established
Inert Ingredients:	38.0%	Not established	Not established

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye Protection: Safety goggles or full face shield.

Clothing: Wear coveralls or long-sleeved uniform, head covering, socks, and chemical resistant shoes. Remove contaminated clothing and wash before rewearing. Wash separately from other laundry.

Gloves: Chemical resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber or Viton ®.

User Safety Requirements:

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.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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

USER SAFETY RECOMMENDATIONS:

- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

VENTILATION: Proper ventilation is required when handling or using this product. Ventilate all transport vehicles prior to unloading. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

RESPIRATOR: When handling in enclosed areas, when large quantities of mists are generated, or prolonged exposure is possible, use a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). Discard clothing and other absorbent materials that have been heavily contaminated with this products. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless to pale yellow
Physical State:	Liquid
Odor:	Mild amine odor
Molecular Weight:	228.2
pH:	4.49 (1% in water)
Viscosity:	179 cps @ 25° C; 74.5 cps @ 40° C
Density:	1.240 gm/cm ³ @ 25° C; 1.230 gm/cm ³ @ 40° C
Vapor Pressure:	Not determined
Melting Point:	Not determined
Solubility:	Miscible with water

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SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable, however may decompose if heated.
CONDITIONS TO AVOID:	Avoid excessive heat and fire.
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 (rabbit):	The dermal LD50 is > 5,000mg/kg.
INHALATION (rat):	The inhalation LC50 (4 hrs.) is > 1.3 mg/L.
EYE IRRITATION (rabbit):	Causes mild eye irritation; clears in 7 days.
SKIN IRRITATION (rabbit):	Causes mild skin irritation.
SKIN SENSITIZATION (guinea pig):	Non-sensitizer.

Potential Health Effects:

EYE:	May cause slight eye irritation.
SKIN:	May cause slight skin irritation.

CHRONIC: Chronic feeding studies in mice and rats indicated no treatment related effects or evidence of carcinogenicity. Glyphosate does not cause embryotoxicity, fetotoxicity, infertility, or mutagenic effects.

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SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Slightly to practically non-toxic to birds, fish, aquatic invertebrates, and bees. Toxic to non-target terrestrial and aquatic plant species. Keep out of waterways.

ENVIRONMENTAL SUMMARY: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

ENVIRONMENTAL FATE: Glyphosate is considered to be non-persistent in soils with a median half-life ranging from 1.85 to 2.06 days. It is strongly absorbed to soils and does not pose a threat to groundwater contamination. Studies indicate that glyphosate has a very low potential for bioaccumulation.

SECTION 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed must be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

CONTAINER HANDLING: Non-refillable containers. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

Non-refillable container less than or equal to 5 gallons: Empty the remaining contents into formulation 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 formulation 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: Empty the remaining contents into formulation 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 onto its other end and tip

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SECTION 13: DISPOSAL CONSIDERATIONS (cont'd)

it back and forth several times. Empty the rinsate into formulation 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 formulation equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over formulation equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side the flow begins to drip.

Refillable Containers: 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 formulation 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 formulation equipment or rinsate collection system. Repeat this rinsing process two more times.

Return to point of sale or offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

SECTION 14: TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:	Not regulated by DOT, IMO, or IATA.
HAZARD CLASS OR DIVISION:	None
IDENTIFICATION NUMBER:	None
PACKING GROUP:	Not applicable
ADDITIONAL INFORMATION:	None

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**

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SECTION 15: REGULATORY INFORMATION (cont'd)

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.

OSHA HAZARD

COMMUNICATION STANDARD STATUS: Regulated

CERCLA REPORTABLE QUANTITY: Not Listed

SARA TITLE III STATUS:

- 302 Extremely Hazardous Substance: Not Listed
- 311/312 Hazard Categories: Immediate health hazard
- 313 Toxic Chemicals: Not Listed

CLEAN AIR ACT: Not Listed

CLEAN WATER ACT: Not Listed

STATES:

- California Proposition 65 Status: Not Listed

SECTION 16: OTHER INFORMATION

SDS Date: May 13, 2015

Revised Date: June 22, 2018

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.

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.