

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: (414) 354-6417
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I - Product Identification

Contact Herbicide #2 Concentrate

PRODUCT CODE: 0155

CHEMICAL FORMULATION: Water based concentrated systemic herbicide.

NFPA HAZARD IDENTIFICATION SYSTEM: **HEALTH:** 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<u>SUBSTANCE</u>	<u>APPROX</u> <u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EPA 40 CFR:</u>			<u>CAS #</u>
				<u>302</u>	<u>355</u>	<u>372</u>	
Glyphosate	18.0	N/E	N/E	N	N	N	38641-94-0

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL:** Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D **SPECIFIC GRAVITY (WATER = 1):** 1.08
VAPOR PRESSURE (mm Hg): N/D **VOC CONTENT (% by weight):** N/D
VAPOR DENSITY (AIR = 1): N/D **EVAPORATION RATE (WATER = 1):** N/D
SOLUBILITY IN WATER: Soluble **pH:** 4.5-5.5
APPEARANCE AND ODOR: Clear, slightly yellow liquid; no odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200 **(TEST METHOD):**
FLAMMABLE LIMITS IN AIR (VOLUME %) **UPPER:** N/A **LOWER:** N/A
EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARD: None.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Galvanized or unlined steel (except stainless steel) materials.**CONDITIONS TO AVOID:** None.**HAZARDOUS DECOMPOSITION PRODUCTS:** None.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:****INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:** None.**EFFECTS OF OVEREXPOSURE****IF IN EYES:** Causes moderate irritation.**IF ON SKIN:** No irritation is expected.**IF SWALLOWED:** Gastrointestinal tract irritation.**IF INHALED:** No known effects.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Remove contact lenses after the first 1-2 minutes, if worn. If irritation persists, obtain medical attention.**IF ON SKIN:** Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting unless told to do so by a physician or poison control center.**IF INHALED:** Remove person to fresh air. Obtain medical attention, if irritation persists.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill and ventilate area. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses or chemical goggles.**OTHER PROTECTIVE EQUIPMENT:** Protective clothing, eye wash station.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place. Keep container tightly closed when not in use. Do not contaminate water, foodstuffs or feed by storage or disposal.**OTHER PRECAUTIONS:** Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None**DOT CLASS:** None**DOT ID NUMBER:** None**DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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