

B&G PRODUCTS CO

Safety Data Sheet

Talos Liquid

SECTION 1: Identification

Product identifier

Product name Talos Liquid
Product description Liquid Herbicide
Brand Aquacide Co.
EPA Reg. No. 81927-8-5080
Substance name N-(Phosphonomethyl)glycine, monoisopropylamine salt solution
CAS no. 38641-94-0

Supplier's details

B&G Products Co
1627 9th Street
PO Box 10748
White Bear Lake, MN 55110-0748
USA

SECTION 2: Hazard identification

General hazard statement

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.

Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Substances

Substance name: N-(Phosphonomethyl)glycine, monoisopropylamine salt solution

Other names / synonyms: Glyphosate Isopropylamine Salt

Hazardous components

Component	Concentration
N- (Phosphonomethyl) glycine, monoisopropylamine salt solution (CAS no.: 38641-94-0)	53.8

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SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a doctor or poison control center if you feel unwell.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray, foam or dry chemical.

Specific hazards arising from the chemical

Flash point:	Not applicable
Flammable Limits (LFL-UFL):	N/A
Fire and Explosion Hazards:	None known.
Firefighting Hazardous Combustion Products:	Carbon monoxide, nitrogen oxides, phosphorous oxides.
NFPA Ratings:	Health: 1 / Flammability: 1 / Instability: 0

Special protective actions for fire-fighters

Evacuate area and fight fire from a safe distance. Approach from upwind to avoid hazardous vapors and decomposition products. A foam or dry chemical fire extinguishing system is preferred to prevent environmental damage from excessive water run off. If water is used, avoid heavy hose streams. If possible, dike and collect water used to fight fire to prevent/minimize run off.

Further information

Equipment: Self-contained breathing apparatus with full face piece.
Wear full firefighting turn-out gear (Bunker gear).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Clean up spills immediately. Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section 8 "Exposure Controls/Personal Protection".
Keep unprotected persons and animals out of area.

Methods and materials for containment and cleaning up

Small Spill: Absorb spill with inert material such as dry sand, vermiculite or fuller's earth, then place in a chemical waste container.

Large Spill: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify and scrape up for disposal. After removal, scrub the area with detergent and water and neutralize with dilute alkaline solutions of soda ash or lime.

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SECTION 7: Handling and storage

Precautions for safe handling

Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Store above 10°F (-12°C) to keep product from crystallizing.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

To keep exposure to airborne contaminants below exposure limits, proper ventilation is required when handling or using this product. Local mechanical exhaust ventilation may be required. Facilities storing or using this material should be equipped with an eyewash facility and a safety shower

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety goggles and waterproof gloves are recommended when mixing, loading or cleaning equipment.

Skin protection

Handlers must wear long-sleeved shirt and long pants, and shoes plus socks.

Body protection

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	pale yellow, clear viscous liquid	pH:	4.6
Odor:	slight amine odor	Kinematic viscosity:	not available
Melting/freezing point:	not available	Solubility:	in water, soluble not available
Boiling point/Boiling range:	not available	Partition coefficient:	available
Flammability:	not available	Vapor pressure:	not available
Flammability limits (upper/lower):	not available	Specific gravity:	1.20 g/mL (10.01 lb/gal)
Flash point:	not available	Relative vapor density:	not available
Auto-ignition temperature:	not available	Particle characteristics:	not available
Decomposition temperature:	not available		

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SECTION 10: Stability and reactivity

Reactivity

This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated.

HAZARDOUS POLYMERIZATION: Will not occur

Chemical stability

Stable under normal use and storage conditions. May decompose if heated.

Conditions to avoid

Avoid temperatures above 115°F (46°C) and below 25°F (-5°C)

Hazardous decomposition products

Heat and fire may result in thermal decomposition and the release of nitrogen oxides, phosphorous oxides and carbon monoxide.

SECTION 11: Toxicological information

ORAL TOXICITY (rat LD50):	> 5,000 mg/kg
DERMAL TOXICITY (rat LD50):	> 5,000 mg/kg
INHALATION TOXICITY (rat LC50):	> 7.03 mg/L (4-hour)
EYE IRRITATION:	None to slightly irritating
SKIN IRRITATION:	None to slightly irritating
SKIN SENSITIZATION:	Not a contact sensitizer
CARCINOGENICITY:	
EPA:	Not Listed
ACGIH:	Not Listed
NTP:	Not Listed
OSHA:	Not Listed
IARC:	Group 2A ^[1]
MUTAGENIC TOXICITY:	No evidence of mutagenic effects during in vivo and in vitro assays.
REPRODUCTIVE TOXICITY:	No evidence in animal studies.

[1] Carcinogenicity: Not carcinogenic in rats or mice. Listed as Category 2A by the International Agency for Research on Cancer (IARC) but, in the expert opinion of the Joint Glyphosate Task Force, this classification as a carcinogen is not warranted.

SECTION 12: Ecological information

Toxicity

The following is for the active ingredient, Glyphosate Isopropylamine salt (62%):

AQUATIC TOXICITY

Rainbow Trout (96-hr LC50):	> 1,000 mg/L
Bluegill (96-hr LC50):	> 1,000 mg/L
Daphnia (48-hr EC50):	930 mg/L
Green algae (72-hr EbC50):	72.9 mg/L

AVIAN TOXICITY

Bobwhite Quail (Oral LD50):	> 3,800 mg/kg
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OTHER TOXICITY

Bee:	Non-toxic
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SECTION 13: Disposal considerations

Disposal of the product

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.

Disposal of contaminated packaging

Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container handling instructions.

Other disposal recommendations

Do not contaminate water, food or feed by storage or disposal.

SECTION 14: Transport information

DOT (US)

UN Number:	Not regulated
Class:	Not applicable
Packing Group:	Not applicable
Proper Shipping Name:	Not regulated
Reportable quantity (RQ):	None
Marine pollutant:	Not
Poison inhalation hazard:	Not applicable

Not regulated for domestic ground transportation

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

FIFRA –

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

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxic 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.).

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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. See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

ENVIRONMENTAL HAZARDS

For Aquatic Uses: Do not contaminate water when disposing of equipment washwaters. Treatment of aquatic weeds can result in oxygen depletion or loss due to decomposition of dead plants. This oxygen loss can cause fish suffocation.

For Terrestrial Uses: 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 disposing of equipment washwaters.

PHYSICAL AND CHEMICAL HAZARDS

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

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All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA –

Not Listed

CALIFORNIA PROP 65 STATUS –

WARNING: This product can expose you to glyphosate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: Other information

THIS INFORMATION IN THIS SDS IS BASED ON DATA AVAILABLE AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. CONTACT AQUACIDE CO. TO CONFIRM IF YOU HAVE THE MOST CURRENT MSDS. JUDGMENTS AS TO THE SUITABILITY OF THE INFORMATION HEREIN FOR THE INDIVIDUAL'S OWN USE OR PURPOSES IS NECESSARILY THE INDIVIDUAL'S OWN RESPONSIBILITY. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF SUCH INFORMATION, AQUACIDE CO. EXTENDS NO WARRANTIES, MAKES NO REPRESENTATIONS, AND ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR SUITABILITY OF SUCH INFORMATION FOR APPLICATION TO THE INDIVIDUAL'S PURPOSES OR THE CONSEQUENCES OF ITS USE.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.