



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

D1508 Xincheng Business Center,

Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418679

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Material Safety Data Sheet

Glyphosate 95% Tech MSDS

Section 1: Chemical Product and Company Identification

Product Name: Glyphosate 95% Tech

Catalog Codes: Not applicable.

CAS#: 1071-83-6

RTECS: MC1075000

TSCA: Not applicable.

CI#: Not applicable.

Synonym: N-(phosphonomethyl)glycine

Chemical Name: N-(phosphonomethyl)glycine

Chemical Formula: C₃H₈NO₅P

Contact Information for Emergency: (0086) 551 65418678

Hefei TNJ Chemical Industry Co.,Ltd.

D1508 Xincheng Business Center

Qianshan Road, Hefei

230004Anhui

China

Tel : (0086) 551 65418679

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Section 2: Composition and Information on Ingredients

Component : Glyphosate

Cas number: 1071-83-6

Percentage: 95%

Composition	CAS#	%
Glyphosate IPA	1071-83-6	95min.
Inert ingredient		5

Section 3: Hazards Identification

Eye: May cause pain, redness and tearing.

Skin: No more than slightly toxic and no more than slightly irritating.

Ingestion: No more than slightly toxic, no significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed. Ingestion of similar formations has been reported to produce gastrointestinal discomfort with irritation of the mouth, nausea, vomiting and diarrhea. Oral ingestion of large quantities of one similar product has been reported to result in hypotension and lung edema.

Inhalation: No more than slightly toxic if inhaled.

Carcinogenicity information: None of the components presents in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Section 4: First Aid Measures

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin Contact: Flush skin with water after contact. Wash contaminated clothing before reuse.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Ingestion: If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person.

Section 5: Fire and Explosion Data

Flammable properties: Flash point: > 200 F (>93°C)

Extinguishing media: Water spray, Foam, Dry Chemical, CO2.

Fire fighting instructions: Wear self-contained breathing apparatus. Wear full protective equipment.

Section 6: Accidental Release Measures

Safeguards (Personnel)

Note: Review Fire Fighting Measures and Handling (Personnel) sections before proceeding with clean-up. Use appropriate Personal Protective Equipment during clean-up.

Spill Clean Up

Small spills-for a spill less than one gallon on floor or other impervious surface, collect with suitable tools and discard in the trash. Clean the spill area with soap and water and rinse the area thoroughly.

Large spill: Should be contained into a box and dispose of in accordance with the instructions provided under Disposal. Thoroughly scrub floor or surface contaminated with a strong industrial detergent and rinse with water.

Section 7: Handling and Storage

Handling (Personnel)

Do not get in eyes, on skin or clothing. Avoid breathing vapors or mist. Wash thoroughly after handling. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Wash clothing before use.

Handling (Physical aspects)

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 wash waters

Section 8: Exposure Controls/Personal Protection

Personal protective equipment

Eye/Face Protection: Wear safety glasses or overall chemical splash goggles.

Respirators: Where there is potential for airborne exposures in excess of applicable limits, wear NIOSH approved respiratory protection.

Protective Clothing: where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants and jacket.

Respirators: wear a NIOSH approved respirator if there is potential for exposure to airborne dusts, mists or vapors.

Exposure Guidelines

PEL: None established

TLV: None established

Section 9: Physical and Chemical Properties

Color/Form/Odor: white/powder/Odorless.

Solubility in water: Soluble

Density: 1.71 g/cm³

PH: 1% Solution in water @25°C: 4.0-7.0

Stable: Yes

Hazardous Polymerization: No.

Stability: Product is stable for at least 2 years under normal condition of warehouse storage.

Incompatible Materials: Do not apply with a galvanized or unlined steel sprayer, or through any irrigation system.

Section 10: Stability and Reactivity Data

Chemical stability: Stable at normal temperatures and storage conditions.

Incompatibility with other materials:

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

Do not mix, store or apply this product or spray solutions of this product in galvanized or unlined steel (except stainless steel) containers or spray tank. 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.

Polymerization: Does not occur, this product can react with caustic (Basic materials to liberate heat.) This is not a polymerization but rather a chemical neutralization in an acid base reaction.

Section 11: Toxicological Information

Single exposure studies indicate:
Oral-practically non-toxic, Rat LD50 >4640 mg/kg
Dermal- practically non-toxic, Rat LD50 >2150mg/kg
Inhalation-Non-established
Eye irritation- rabbit- light to middle irritation
Skin irritation- rabbit-no irritation
Skin irritation- rice-no irritation
Ames: Negative
Mice Sperm-Morphology Tests: Negative
PCE Micronucleus Tests: Negative
13-week Rat Feeding Toxicity Test: >891.36+/-91.85mk/kg/day

Section 12: Ecological Information

Data from the scientific literature on components of Roundup (R) herbicide: this product has been shown to be lightly to moderately toxic in aquatic studies, and practically non-toxic to avian species following sub-acute dietary exposure.

Rainbow trout 96-hr LC50 22 mg/L (static)
Rainbow trout 96-hr LC50 8.2 mg/L (dynamic)
Daphnia Magna 48-hr LC50 37mg/L (aeration)
Daphnia Magna 48-hr LC50 24mg/L (w/o aeration)
Bluegill sunfish 96-hr LC50 5.8mg/L (dynamic)
Bluegill sunfish 96-hr LC50 5.8mg/L (dynamic)
Gammarus pseudolimnaeus 48-hr EC50 42mg/L
Fathead minnow 96-hr LC50 9.4mg/L
Channel catfish 96-h r LC50 16mg/L
Chinook salmon 96-hr LC50 20mg/L
Coho salmon 96-hr LC50 22mg/L
Algae S. Capricornutum 72-hr EC50 2.1mg/L
Bobwhite Quail 8-day LC50 >6300ppm
Mallard Duck 8-day LC50 >6300ppm

Section 13: Disposal Considerations

Waste Disposal

Wastes resulting from the use of this product that can not be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable regulations.

Plastic drum retains vapour and product residue. Observe all labeled safeguards until drum is cleaned, reconditioned or destroyed. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed, by other procedures approved by local authority, by burning. If burned, stay out of smoke.

Section 14: Transport Information

N/A

Section 15: Other Regulatory Information

Labelling in accordance with EC directives

EC-label

Hazard symbols

Xi Irritant

N Dangerous for the environment

Hazardous component(s) to be indicated on label, contains:

Glyphosate

R phrases

41 Risk of serious damage to eyes.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

2 Keep out of the reach of children

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

39 Wear eye/face protection.

61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Section 16: Other Information

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 05:35 PM

Last Updated: 05/21/2016 12:00 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.