



# 南京丰山化学有限公司

## NANJING FENGSHAN CHEMICAL CO., LTD.

### MATERIAL SAFETY DATA SHEET

#### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Supplier:** Nanjing Fengshan Group Co., Ltd

**Address:** 1904 Central International Plaza, 105-6 North Zhongshan, Nanjing City, Jiangsu Province, P.R.C

**Tel:** +86-25-86558672

**Fax:** +86-25-86558673

**Product name:** Glyphosate IPA 41% SL

#### SECTION 2: HAZARDS IDENTIFICATION

##### Hazard classification

Hazardous Substance: Non-Dangerous Goods.

##### Hazard category

Xi: irritant

##### Risk phrase(s)

R36: Irritating to eyes.

R41: Risk of serious damage to eyes.

##### Safety phrase(s)

S2: Keep out of reach of children.

S13: Keep away from food, drink and animal feeding stuffs.

S20/21: When using, do not eat, drink or smoke.

S36: Wear suitable protective clothing.

S37/39: Wear suitable protective gloves and face protection (faceshield) when handling or applying the concentrate.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Content, %
Glyphosate isopropylamine	38641-94-0	41
Other ingredients	-	Up to 1 L

#### SECTION 4: FIRST AID MEASURES

**General:** Remove patient to fresh air. Remove all heavily contaminated clothing. Always



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seek medical advice in cases of serious personal contamination.

**If swallowed:** Rinse mouth. Seek medical attention immediately and show product label or this data sheet.

**If in eyes:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if any irritation occurs.

**If on skin or clothing:** Remove contaminated clothing immediately. Wash underlying skin with soap and plenty of water. If skin irritation persists, consult a doctor.

**If inhaled:** Move to fresh air. Seek medical advice if circumstances warrant.

**Medical information:** For specialist advice doctors should contact the nearest Poisons Information Center.

### SECTION 5: FIRE-FIGHTING MEASURES

**Flash Point:** Not flammable

**Extinguishing Media:** Use media suited to burning material.

**Fire and Explosion Hazards:** Decomposition products are toxic and corrosive. There is little or no chance of an explosion from this product if involved in a fire.

**Fire-fighting Equipment:** Wear full protective clothing including face mask, face shield and gauntlets.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear as appropriate, chemical resistant rubber gloves, coated overall, PVC or rubber wellingtons and goggles.

**Environmental precautions:** Particular care should be taken to prevent contamination of water (ditches, drains, ponds etc.). Advise local authority if spillage enters drains or Environmental Agency/Scottish Environmental Protection Agency if spillage enters surface or ground waters.

**Methods for cleaning up:** Contain spillage as the situation allows. Absorb with sand or earth. Collect contaminated material and place in covered, labeled containers (not galvanized or unlined steel) for disposal.



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### SECTION 7: HANDLING AND STORAGE

**Handling:** Wear suitable protective clothing, gloves and/or eye/face protection when handling the concentrate. Do not eat drink or smoke. Keep tanks well vented and clear of all sources of ignition. Wash out container thoroughly, empty washings into spray tank and dispose of safely.

**Storage:** Store in original container, tightly closed in a designated chemical store. Keep in a cool, dry place. Keep away from food and animal foodstuffs. Keep out of reach of children. Keep container tightly closed. Do not mix or store in galvanized or unlined mild steel containers or tanks. Protect from frost.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Approved respirator

**PROTECTIVE GLOVES:** Rubber gloves

**EYE PROTECTION:** Safety goggles or face shield.

**INDUSTRIAL HYGIENE:** Adequate ventilation.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow coloured viscous liquid.

**Odour:** Very slight odour.

**Solubility in water:** Completely soluble in water.

**Specific Gravity:** 1.167

**pH value:** 4.0-7.0

### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions. React with oxidising agents.

**Incompatibility:** Avoid strong oxidising agents.

**Hazardous Decomposition Products:** This product is unlikely to spontaneously



decompose.

**Hazardous Polymerization:** This product is unlikely to spontaneously polymerise.

#### SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

**LD<sub>50</sub> oral toxicity in rat** >5000 mg/kg

**LD<sub>50</sub> dermal toxicity in rat** >5000 mg/kg

**LC<sub>50</sub> inhalation toxicity in rat** >5.0 mg/l-4 h

**Irritation:** Moderately irritating to the skin and eyes

**Sensitization:** Non-sensitizing to guinea pig

#### SECTION 12: ECOLOGICAL INFORMATION

**Environment data:** Glyphosate is highly absorbed on most soils especially those with organic content. The compound is so strongly attracted to the soil that little is expected to leach from the applied area applied.

**Ecotoxicology:** Glyphosate is only slightly toxic to wild birds. It is practically non-toxic to fish.

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal method:** Dispose of empty, used containers by;

- (a) Triple rinsing with water. Add the rinsings to the tank mix or dispose of rinsate in a disposal pit away from desirable plants and roots, and watercourses. On-site disposal of undiluted product is unacceptable.
- (b) Breaking, crushing or puncturing the containers to prevent reuse.
- (c) Disposing of in a local authority, bury landfill site that does not burn its refuse. If there is no local authority landfill readily available in your area, bury the containers under at least 50 cm of soil at a licensed/approved disposal site. DO NOT burn empty containers or product.

#### SECTION 14: TRANSPORT INFORMATION



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**Road and rail transport:** Not classified as Dangerous Goods for the transport by Road and Rail.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods code (IMDG Code) for transport by sea.

**Air Transport:** Not classified as dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by air.

### SECTION 15: REGULATORY INFORMATION

Not available

### SECTION 16: OTHER INFORMATIONS

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

**THE END OF MATERIAL SAFETY DATA SHEET**