



## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Trade name : **Clinic UP**

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Herbicide

### 1.3. Details of the supplier of the safety data sheet

Nufarm UK Limited  
Wyke Lane  
Wyke  
Bradford  
West Yorkshire BD12 9EJ  
United Kingdom  
Telephone: +44 (0)1274 691234  
Telefax: +44 (0)1274 691176  
E-mail address: infouk@uk.nufarm.com

### 1.4. Emergency telephone number

**+44 (0)1274 696603**

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

EG\_1272/08 : - - - The product is not subject to classification according to GHS criteria.

### 2.2. Label elements

REGULATION (EC) No 1272/2008

Pictogram:

none

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.



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- P102 - Keep out of reach of children.  
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Aqueous solution of the isopropylammonium salt contains 360g/L Glyphosate

### Components:

#### Glyphosate IPA salt

CAS-No.: 38641-94-0  
EINECS-No. / ELINCS No.: 254-056-8  
REACH No.:  
Concentration: 30% - 60% (w/w)

#### Classification:

EG\_1272/08 : AquaticChronic2 H411 - Toxic to aquatic life with long lasting effects.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

- Eye contact : Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses.
- Skin contact : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. Wash contaminated clothing before re-use.
- Inhalation : Move affected person(s) into fresh air.



Ingestion : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If symptoms persist, call a physician or Poison Control Centre immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms : None known.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment : No information available. Treat symptomatically.

### 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media : Water, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

Extinguishing media which shall not be used for safety reasons : No information available.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Product is compatible with standard fire-fighting agents., In the event of fire (NO<sub>x</sub>,CO<sub>x</sub>,P<sub>2</sub>O<sub>5</sub>) may be formed.

#### 5.3. Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus (EN 133)

Further Information : Do not allow run-off from fire fighting to enter drains or water courses.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. (see Chapter 8)

#### 6.2. Environmental precautions



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Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Contain larger liquid volumes if possible. Absorb the spillage using suitable non-combustible liquid binding material and collect in rigid containers. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.

Additional advice : Dispose of promptly.

### 6.4. Reference to other sections

see Chapter 13

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Safe handling advice : Wash thoroughly after handling. Use only clean and dry utensils.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Minimum shelf life: 2 years. Store at storages for pesticides in a closed original package.

Advice on common storage : Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

none

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Components with workplace control parameters  
(EH40/2005 Workplace exposure limits)

Components	CAS-No.	National occupational exposure limits	Note
Glyphosate IPA salt	38641-94-0		no classification available



## 8.2. Exposure controls

### Personal protective equipment

- Respiratory protection : No special precautions when handling properly.
- Hand protection : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374., Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye protection : Chemical resistant goggles must be worn.
- Skin and body protection : Wear suitable protective equipment.
- Hygiene measures : Wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

#### Appearance

- Physical state : liquid
- Form : Soluble concentrate
- Colour : yellow-orange
- Odour : slight

Flash point : no data available

Ignition temperature : no data available

Vapour pressure : not applicable

Density : 1.171 g/cm<sup>3</sup>  
at 20 °C

Water solubility : completely miscible

pH : 5

Partition coefficient: n-  
octanol/water : log POW = -3.2  
at 25 °C

(Glyphosate)



Viscosity, dynamic : 32.4 mPa.s  
at 20 °C

## 9.2. Other information

none

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

no data available

### 10.3. Possibility of hazardous reactions

Gives off hydrogen by reaction with metals.

### 10.4. Conditions to avoid

Temperatures below freezing point, high temperatures

### 10.5. Incompatible materials to avoid

Reacts with galvanised steel or unlined mild steel to produce hydrogen

### 10.6. Hazardous decomposition products

Carbon monoxide, Oxides of phosphorus, nitrogen oxides (NO<sub>x</sub>)

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute oral toxicity : LD50 Oral rat  
Dose: > 2,000 mg/kg

Acute dermal toxicity : LD50 Dermal  
Dose: > 4,000 mg/kg

Skin irritation : Result: No skin irritation



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Eye irritation : Result: slight irritation

Sensitisation : Result: Did not cause sensitization.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Toxicity to fish : LC50 Toxicity to fish  
Dose: > 100 mg/l  
Testing period: 96 h

Toxicity to daphnia : EC50 Daphnia  
Dose: > 100 mg/l  
Testing period: 48 h

Toxicity to algae : EC50 Toxicity to algae  
Dose: > 100 mg/l  
Exposure time: 72 h

Toxicity to bacteria : no data available

### 12.2. Persistence and degradability

Biodegradability : Biodegradable

Biochemical Oxygen Demand (BOD) : Remarks: no data available

Additional advice : no data available

### 12.3. Potential bioaccumulation

Bioaccumulation : no data available

### 12.4. Mobility in soil



### 12.5. Results of PBT and vPvB assessment

no data available

### 12.6. Other adverse effects

no data available

## 13. DISPOSAL CONSIDERATIONS

According to European Directive 2000/532/EC as amended :

Waste Code : 02 01 08 (agrochemical waste containing dangerous substances)

### 13.1. Waste treatment methods

Product : Dispose of product and packaging in accordance with the "Code of practice for using plant protection products". A DEFRA publication  
In accordance with local and national regulations.

Contaminated packaging : Dispose of product and packaging in accordance with the "Code of practice for using plant protection products". A DEFRA publication  
Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

### 14.1. UN number

### 14.2. Proper shipping name

not applicable

### 14.3. Transport hazard class(es)

ADR/RID :

Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.





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IATA-DGR :

Not a dangerous substance as defined in the above regulations.

IMDG :

Not a dangerous substance as defined in the above regulations.

**14.4. Packaging group**

not applicable

**14.5. Environmental hazards**

not applicable

**14.6. Special precautions for user**

none

**15. REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

none

**16. OTHER INFORMATION**

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The date format YYYY/MM/DD is used according to ISO 8601.  
(Alterations are indicated in the left hand margin by: || )



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This MSDS was prepared by copying the supplier MSDS data into the SAP-EHS module., The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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