



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Product : "Ikwin herbicide" (180 g/l EC Fluroxypyr Meptyl as acid)
Intended uses : End product as herbicide
Chemical Family : Pyridinecarboxylic acid
CAS Name : 1-methylheptyl[(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate
Chemical Formula : $C_{15}H_{21}Cl_2FN_2O_3$
Manufacturer Name : PARIJAT INDUSTRIES (INDIA) PVT.LTD.
M-77, 1st & 2nd Floor, M-Block Market
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Emergency contact Details
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2. HAZARDOUS CLASSIFICATION:

Hazard Summary : **WARNING**
Hazard statements
H302 : Harmful if swallowed
H317 : May cause an allergic skin reaction
H320 : Causes eye irritation

3. CHEMICAL COMPOSITION:

Chemical Name	CAS No	EC Number	Content (g/l)
Fluroxypyr Meptyl (as acid)	81406-37-3	279-752-9	180
Other ingredient			Q.S.

4. FIRST AID MEASURES:

- Eyes : Rinse immediately with plenty of water and seek medical advice
- Skin : Remove all contaminated clothes and shoes. Wash off immediately with soap and plenty of water. Get medical attention immediately
- Ingestion : Do not induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.
- Inhalation : Remove from exposure area to fresh air immediately. If breathing has stopped, performed artificial respiration. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.
- Other Information : No specific antidote. Treat symptomatically and give supportive therapy.

5. FIRE FIGHTING MEASURES:

- Extinguishing Media : Dry chemical, carbon dioxide, water spray or standard foam.
- Special fire fighting procedure : Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use appropriate extinguishing media. Evacuate the affected area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent containers cool with water spray if exposure to fire.
- Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning.

6. ACCIDENTAL RELEASE MEASURES:

- Personal precautions : Wear appropriate safety clothing and eye/face protection
- Environmental precautions : Do not wash into sewers or into any water
- Methods for cleaning up the spills : Wear protective equipment. Clear area of all un-protective personnel. Prevent entry of chemical or used/damaged containers into drains, streams or waterways. For small spill apply absorbent material such as earth, sand, clay granules or cat litter to the spill. Sweep up material when absorption is completed and contain into salvage drums. Apply absorbent material such as earth, sand, clay granules to the spill. Form a barricade around spill and in front of

drains or waterways in spill vicinity, using earth or other available material. Sweep up material contain in a refuse vessel for disposal.

7. HANDLING AND STORAGE:

- Handling : Keep product in original tightly closed container, avoid exposure by inhalation; do not get on skin, eyes or clothing ; do not eat, drink or smoke when handling; wash hands before eating, drinking or smoking.
- Storage : Store in locked, well-ventilated store room, away from children and unauthorized personnel, and food and animal feed

8. EXPOSURE CONTROLS?PERSONAL PROTECTION:

- Engineering Controls : Use only in well-ventilated area. Ensure work area have ventilation, containment and procedure sufficient to maintain airborne levels below the TLV. Warehouses, production area, parking lots and waste holding facilities must have adequate containment to prevent environmental contamination. Provide separate shower and eating facilities.
- Ingestion : Do not eat, drink or apply cosmetics, where there is a potential for exposure. To the product.
- Eyes protection : Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility.
- Skin protection : Chemical resistant gloves, coveralls, socks apron and chemical resistant foot covering should always be used while handling the product.
- Respiratory protection : Always use NIOSH/MSHA approved respiratory protection equipment with a universal filter.
- General Protection : Avoid contact with eyes and skin. While handling the product, wear cotton overalls buttoned to the neck and wrist and washable hat, elbow-length PVC gloves and face shield. After use and before eating drinking or smoking, wash hands, arms and face

thoroughly with soap and water. After each day's use, wash gloves, face shield and contaminated clothing.

9. PHYSICAL AND CHEMICAL POPERTIES:

Physical state	: Liquid
Colour	: Light brown
Odour	: Odourless
Density (g/cc)	: 0.98 ± 0.02
Flash Point	: > 40 ⁰ C
pH	: 4-8

10. STABILITY AND REACTIVITY:

Chemical Stability	: Stable under normal temperatures and pressures.
Conditions To Avoid	: Extreme heat
Incompatibility	: Avoid acidic, basic and oxidizing agents

11. TOXICOLOGICAL INFORMATION:

Oral Acute Toxicity	: LD ₅₀ >5000 mg/kg. (rats)
Acute Dermal Toxicity	: LD ₅₀ >2000 mg/kg. (rabbits)
Acute Inhalation	: LC ₅₀ >6 mg/l air (rats) (4hrs)

12. ECOLOGICAL INFORMATION:

Mallard ducks	: LC ₅₀ (96 h) >2000 mg/kg.
Rainbow trout	: LC ₅₀ (96 h) >solubility limit
Daphnia	: LC ₅₀ (48 h) >solubility limit
Earthworms	: >1000 mg/kg.

13. DISPOSAL CONSIDERATIONS:

Disposal Method	: Do not re-use empty containers. Empty container retains product residue. Triple rinse, or equivalent, empty container, return rinse water to dilution mixture, and dispose off dilution mixture as a hazardous waste if it cannot be disposed off by use according to
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label instructions. Dispose off empty containers in accordance with local regulations.

Empty Containers : Contaminated packaging material should be treated as the product.

14. TRANSPORT INFORMATION:

ADR/RID Classification

Proper shipping Name : Environmentally Hazardous Substance, Liquid, N.O.S.
(contains Fluroxypyr Meptyl)

UN No : 3082

Packing Group : III

Hazard Class : 9

IMDG Classification

Proper shipping Name : Environmentally Hazardous Substance, Liquid, N.O.S.
(contains Fluroxypyr Meptyl)

UN No : 3082

Packing Group : III

Hazard Class : 9

IATA/ICAO Classification

Proper shipping Name : Environmentally Hazardous Substance, Liquid, N.O.S.
(contains Fluroxypyr Meptyl)

UN No : 3082

Packing Group : III

Hazard Class : 9

Further information:

NOT REGULATED PER TDG EXEMPTION 1.45.1 FOR ROAD OR RAIL

15. REGULATORY INFORMATION:

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

16. OTHER INFORMATION

The information provided in this safety data sheet is believed to be accurate and reliable. The information is offered only as a guide to the handling of this specific material, but uses of this product may vary and situation unforeseen by Parijat may exist. No warranty of any kind is given/ implied and Parijat will not be reliable for any damages, loses, injuries or consequential damages, which may result from the use of or reliance on any information contained herein.

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