

Material Safety Data Sheet

פלאטון - Platoon

Revised: 26.07.10

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

Common name: Platoon

Use: Herbicide

Formulation Type: EC

Manufacturer: Tapazol Chemical works Ltd.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS no.	Quantity (g/l)
Fluroxypyr-meptyl	81406-37-3	288 (200 g/l Fluroxypyr)
Solvesso 150	64742-94-5	400-600

3. HAZARDS IDENTIFICATION

Human hazards: The product is slightly toxic by ingestion and in contact with skin. It may cause severe eye irritation and moderate skin irritation. It also may cause skin sensitization.

The solvent is a combustible liquid.



The solvent can be irritating to lungs if concentrated amounts are inhaled. Prolonged exposure to the solvent vapors from the concentrate may cause eye and respiratory irritation, headaches, dizziness and narcotic effects.

Environmental hazards: The product is highly toxic to fish and aquatic organisms.

4. FIRST AID MEASURES

Consult the Poisons Information Center or a doctor in every case of suspected chemical poisoning.

Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

Skin: Remove contaminated clothes and wash skin with soap and water.

Ingestion: DO NOT induce vomiting. Rinse mouth. Contact a doctor. Never give anything by mouth to an unconscious person.

Inhalation: Move victim to fresh air. If breathing difficulties occur seek medical attention immediately.

Note to physician: PLATOON contains petroleum-like solvent and the benefits of inducing vomiting must be weighted against the possibility of chemical pneumonitis. If lavage is performed, endotracheal or oesophageal control is advisable.

5. FIRE-FIGHTING MEASURES

Flash point: 66°C.

Flammable properties: The solvent is a combustible liquid. Combination of vapors of solvents and air may form an explosive mixture.

Drum explosion is likely if confined at high temperatures. Intact containers exposed to excessive heat should be cooled with water to reduce drum pressure.

Extinguishing media: Dry chemical, foam, carbon dioxide.

HAZCHEM: 3X

Protective equipment: Self-contained breathing apparatus is required.

Hazardous decomposition products may include: Chloride compounds, fluoride compounds, nitrogen oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal protection: Wear personal protective equipment as prescribed in section 8 – "Exposure controls/Personal protection".

Environmental Protection: Prevent the material from entering sewage and water courses.

Procedure: Absorb with material such as sand or sawdust, collect to containers and dispose in an authorized waste disposal site. Report large spills.

For spills in public area, keep public away and advise local authorities.

Wash clothes, equipment and work area after cleaning.

7. HANDLING AND STORAGE

Storage: Store in a tightly closed original container in a cool, dry well-ventilated area out of direct sunlight and out from the reach of children. Do not store with food, feedstuffs, fertilizers and seeds.

Handling: Wear personal protective equipment as prescribed in section 8 – "Exposure controls/Personal protection".

Do not eat, drink or smoke while handling.

Change clothes and wash thoroughly when finishing working with the product.

Wash working clothes in separate from household laundry and do not re-use clothes that are not washed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

Exposure Guidelines: No exposure guideline has been set for this product.

For the solvent: 100 ppm. (TWA).

Engineering controls: The use of local exhaust ventilation is recommended to control process emission near the source.

Eye/ Face protection: Wear a face shield or goggles. After each day's use wash face shield or goggles.

Skin/Body protection: Wear long sleeved shirt, long pants and closed working shoes.

Respiratory protection: Wear an approved respirator suitable for organic vapors.

Hand protection: Chemical resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown liquid.

pH: 6.5 (5% v/v emulsion).

Vapor pressure (for AI Fluroxypyr-meptyl): 1.3×10^{-6} Pa at 20 °C.

Water solubility: Disperses as an emulsion.

Specific gravity: 0.99 (25°C).

Flash point: 66°C.

10. STABILITY AND REACTIVITY

Chemical stability: Stable under ordinary conditions of use and storage.

Conditions to avoid: Heat, flame, ignition sources and incompatibles.

Incompatibilities: Strong oxidizing agents, acids and alkalis.

Hazardous decomposition products: Chloride compounds, fluoride compounds, nitrogen oxides.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD50 for rat: >2000 mg/kg.

Dermal: LD50 for rat: >2000 mg/kg.

Inhalation: The acute inhalation toxicity is low and absorption of harmful amounts is unlikely in normal use. LC50 for rat (4h): >5.2 mg/l.

The solvent can be irritating to lungs if concentrated amounts are inhaled. Prolonged exposure to the solvent vapors from the concentrate may cause eye and respiratory irritation, headaches, dizziness and narcotic effects.

Skin irritation: Moderate irritant (rabbit).

Eye irritation: May cause severe eye irritation (rabbit).

Skin sensitization: Sensitizer (mouse).

For AI Fluroxypyr-meptyl:

Chronic toxicity:

Other target organ effects: At exaggerated doses, effects on kidneys have been observed in laboratory animal studies. Decreased testes weights and increased adrenal weights have also been observed in laboratory studies.

Carcinogenicity: Rats and mice administered the active ingredient fluroxypyr in chronic carcinogenicity studies showed no increase in tumors when compared to the untreated group.

Teratogenicity: Studies in rats and rabbits indicate that fluroxypyr does not cause birth defects.

Reproductive effects: Studies in rats and rabbits indicate that fluroxypyr does not interfere with reproduction.

Mutagenicity: Fluroxypyr does not cause genetic change and does not accumulate in the body.

12. ECOLOGICAL INFORMATION

For AI Fluroxypyr-meptyl:

In animals, plants and in the environment, Fluroxypyr-meptyl is hydrolyzed to the parent compound Fluroxypyr acid.

Fish: LC50 (96h) for rainbow trout and golden orfe: >0.9 mg/l (solubility limit). (>100 mg/l for Fluroxypyr)

Daphnia: LC50 (48h) >0.9 mg/l (solubility limit). (>100 mg/l for Fluroxypyr)

Birds: LD50 for mallard ducks and bobwhite quail: >2000 mg/kg. (also for Fluroxypyr).

Bees: Not toxic to bees: >100 microgram/bee (oral and contact, 48h). (>25 microgram/bee for Fluroxypyr).

Fluroxypyr-meptyl is not expected to move into ground water. Residues typically remain in the top 10 centimeters of a soil profile.

Fluroxypyr-meptyl is almost completely degraded within one week to fluroxypyr acid in soil and water. Fluroxypyr acid is primarily degraded by microbial action. It has a half-life of about 5-9 days in soil under aerobic conditions depending on soil type and climatic conditions.

In sterile water, fluroxypyr acid has a half-life of 8-14 days depending on the pH. LogPow <3 indicates a low potential for bioaccumulation.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations. Avoid entry of product into sewer system or water surfaces.

14. TRANSPORT INFORMATION

UN no.: 3082 (Environmentally hazardous substance, liquid, N.O.S)

Class: 9

Packaging group: III

15. REGULATORY INFORMATION

R phrases:

R21/22: Harmful in contact with skin and if swallowed

R36/37/38: Irritating to eyes, respiratory system and skin

R41: Risk of serious damage to eyes

R43: May cause sensitization by skin contact

R50/53: Very toxic to aquatic organisms, May cause long-term adverse effects in the aquatic environment

S phrases:

S2: Keep out of reach of children.

S3/9/49: Keep only in the original container in a cool, well-ventilated place.

S16: Keep away from sources of ignition – No smoking.

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

S23: Do not breath fumes or spray.

S24: Avoid contact with skin.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show the label.

16. OTHER INFORMATION

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