

**MATERIAL SAFETY DATA SHEET**

Product Name	PYRAZOSULFURON-ETHYL 0.75% + PRETILACHLOR 30.0% DF
Revision	01
Revision Date	November, 2014
MSDS No.	UPL/A/H/004

1. PRODUCT AND COMPANY IDENTIFICATION :

Name	: UPL Limited
Address	: Uniphos House, Madhu Park, Khar (W), Mumbai, India
Telephone	: +91-(022)- 2646-8000 Fax. : +91-(022)-2604-1010
Product Name	: Pyrazosulfuron-ethyl 0.75% + Pretilachlor 30.0% DF
Synonyms	: Erosgold 30.75% WG
Chemical family	: Pyrazosulfuron ethyl : Sulfonylurea Pretilachlor : Chloroacetamide
Chemical Name	Pyrazosulfuron ethyl : Ethyl 5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfa- moyl)-1-methylpyrazole-4-carboxylate Pretilachlor : 2-chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide
CAS No.	Pyrazosulfuron ethyl : [93697-74-6] Pretilachlor : [51218-49-6]
Class	: Herbicide
Hazchem code	: Xn Harmful

2. COMPOSITION :

S. No.	Substance	CAS Number	Content (%w/w)
1	Pyrazosulfuron ethyl	93697-74-6	0.75
2	Pretilachlor	51218-49-6	30
3	Other ingredients including surfactants and inerts	-	Q.S.

Hazardous Components : Pyrazosulfuron-ethyl 0.75% + Pretilachlor 30.0% DF

3. HAZARD IDENTIFICATION :

Inhalation	: Inhalation of dust may cause respiratory irritation.
Ingestion	: May be harmful if swallowed.
Eye Contact	: Cause mild eye irritation.
Skin Contact	: May cause skin sensitizer. May cause mild irritation

For risk and safety phrases see section 15.

4. FIRST AID MEASURES :

Eye	: Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 15 minutes, then continue rinsing eye. Get medical attention immediately.
Skin	: In case of contact, immediately wash with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes while washing. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned. If skin irritation develops, get medical attention.
Ingestion	: Rinse mouth. Give water to drink if patient is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs ensure patient can breathe, then give water to drink. Get medical attention. Call emergency doctor immediately.
Inhalation	: Move person to fresh air. If person is not breathing, then give artificial respiration, preferably mouth-to-mouth to an unconscious person.
Note to physician	: No specific antidote if ingested. Treat symptomatically.

5. FIRE FIGHTING MEASURES :

Extinguishing media	: Spray water jet fog or mist, foam, extinguishing powder, dry chemical, CO ₂ .
Hazardous combustion products	: In the event of fire, product will burn, releasing toxic and irritating gases. Release of oxides of carbon, nitrogen and sulphur along with chlorine compounds are expected.
Protective clothing	: Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes or if exposed to combustion products, especially in reduced air



MATERIAL SAFETY DATA SHEET

Product Name	PYRAZOSULFURON-ETHYL 0.75% + PRETILACHLOR 30.0% DF
Revision	01
Revision Date	November, 2014
MSDS No.	UPL/A/H/004

Special properties

- situations.
- : Keep out of smoke, cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain run-off by dyking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated.

6. ACCIDENTAL RELEASE MEASURES :

Personal precaution

- : Safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt and long pants. Avoid contact with the skin and the eyes. Ensure adequate ventilation. Take precautionary measures against static discharges.

Environmental precautions

- : Consult a regulatory specialist to determine appropriate state or Local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Emergency procedure

- : Wear protective equipment to prevent skin and eyes being affected. Evacuate unprotected and unnecessary personnel from area of spill. If material is spilling from container, attempt to retain as much as possible in the original package. Prevent Spillage entering drain or watercourse

Methods for cleanup

- : Scoop up spilled material into suitable bins/ containers. If possible, collect pure material first. This may be re-usable. Scoop the material and contaminated soil next. Take enough soil to ensure all the material is included. This material should be disposed of at a suitable landfill. Personal protective equipment and clothing should be washed with soapy water. If spill occurs, cover the spilled product with a moisture-proof material to prevent degradation. If the covered material is in direct sunlight, measure should be taken to protect it from solar heat, which may cause degradation to commence or accelerate. While cleanup avoid dust formation.

7. HANDLING AND STORAGE :

Handling

- : KEEP OUT OF REACH OF CHILDREN. Wear suitable personal Protective Equipment when handling and spraying. Avoid contact with skin and eyes. Avoid breathing dust. Ensure adequate ventilation. While using do not eat drink or smoke. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Empty containers may contain hazardous residues. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using toilet or applying cosmetics.

Storage

- : Store in the original container in a dry, cool, ventilated, LOCKED area. DO NOT store in prolonged sunlight. DO NOT store with food, seed or animal feed stuff. To protect the quality of the product, store in a dry place at a temperature below 50 °C. Store so that unauthorized persons do not have access.

Hygienic Procedure

- : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using toilet or applying cosmetics. Take off contaminated clothing and shoes immediately. Then wash thoroughly and put on clean clothing. Remove personal protective equipment's (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. As soon as practical, wash thoroughly and change into clean clothing.

8. EXPOSURE CONTROL / PERSONAL PROTECTION :

Engineering Controls

- : A system of local and/or general exhaust is recommended at all process locations, to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection

Eye / Face

- : Use safety goggles and/or a full face shield where splashing is possible. Maintain Eye wash fountain and quick-drench facilities in work area

Skin / Hand

- : Overalls, protective gloves and apron, face shield.

Respiratory

- : Should not be necessary under normal conditions. If sprayed mist may be encountered, a particulate filter should be worn. Fine dust mask (Class P1)

**MATERIAL SAFETY DATA SHEET**

Product Name	PYRAZOSULFURON-ETHYL 0.75% + PRETILACHLOR 30.0% DF
Revision	01
Revision Date	November, 2014
MSDS No.	UPL/A/H/004

9. PHYSICAL AND CHEMICAL PROPERTIES :

Colour	: Brown
Physical state	: Granules (Solid)
Odor	: Characteristic
pH (diluted)	: 5.0 – 8.0
Melting Point	: Not applicable.
Boiling Point	: Not applicable.
Flash point	: Not applicable.
Density	: 0.69 g/cc
Solubility - water	: Dispersible

10. STABILITY AND REACTIVITY :

Stability	: Considered to be stable under recommended warehouse and light conditions.
Hazardous decomposition products	: On decomposition, release of oxides of carbon, nitrogen and sulphur along with chlorine compounds are expected..
Conditions to avoid	: High temperatures and humid atmosphere.
Hazardous polymerization	: Will not occur.

11. TOXICOLOGICAL INFORMATION :**(Formulation)**

Acute toxicity	: LD50 Oral, rat : > 5000 mg/kg b.w. LD50 Dermal, rabbit : > 2000 mg/kg b.w. LC50 inhalation, rat: > 5.740 mg/l air.
Skin and eyes	: Non-irritant to skin. Mild irritant to eyes.
Ingestion / Inhalation	: Ingestion of large amounts may cause nausea, small amounts unlikely to do so. Inhalation of dust (from disintegrated granules) likely to cause respiratory irritation.
Skin Sensitization	: Sensitizer (Guinea pig)
Carcinogenicity	: Not available
Reproductive hazards	: Not available

12. ECOLOGICAL INFORMATION :

Fish	: 2.33 mg/l
Daphnia	: 16.12 mg/l
Algae	: 8.60 mg/ l

13. DISPOSAL CONSIDERATIONS :

Product	: Whenever possible, product should be used for its intended purpose, even if reclaimed from spillage (reclaimed product must be uncontaminated).
Disposal methods	: In cases where larger amounts of the product have become unusable, it should be established whether material utilization is possible (if necessary, consult the manufacturer / suppliers). Small amounts of the product and unclean empty packaging should be packaged and sealed, labeled and transferred to a suitable incinerator in accordance with the local regulations. Whenever possible, follow directions given on container. If not available, shake out the boxes and rinse plastic bags before disposal. Treat rinsing as for product above.
Disposal of packaging	: Break, crush or puncture and bury empty containers in a local authority landfill. Empty packaging should be packaged and sealed , labeled and transferred to a suitable incinerator in accordance with the local regulations. Do not dispose of product or rinsing into sewage system or septic tanks.

14. TRANSPORT INFORMATION :**IATA**

UN-NO	: UN 3077
-------	-----------

**MATERIAL SAFETY DATA SHEET**

Product Name	PYRAZOSULFURON-ETHYL 0.75% + PRETILACHLOR 30.0% DF
Revision	01
Revision Date	November, 2014
MSDS No.	UPL/A/H/004

Proper shipping name : Environmentally hazardous substances, solid, n.o.s. (Pyrazosulfuron ethyl, Pretilachlor)

Hazard Class : 9

Packing group : III

Environmental Hazard : Yes

IMDG

UN-NO : UN 3077

Proper shipping name : Environmentally hazardous substances, solid, n.o.s. (Pyrazosulfuron ethyl, Pretilachlor)

Hazard Class : 9

Packing group : III

EMS-No : F-A,S-F

Environmental Hazard : F-A,S-F

15. REGULATORY INFORMATION :**International Inventories**

USINV : Complies

TSCA : -

EINECS/ELINCS : -

DSL/NDSL : -

PICCS : -

ENCS : -

China : -

AICS : -

KECL : -

- : Not listed/Determines

Legend

USINV - Total TSCA/FIFRA Inventory

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

16. OTHER INFORMATION :

Formulation Type : -

Application : -

Revision : 01

Revision Date : November, 2014

MSDS No. : UPL/A/H/004

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the product in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties. The information contained herein is based on the present state of our knowledge as is intended to describe our products from the point of view of safety requirements. UPL Limited makes no warranty expressed or implied in respect of the adequacy of this document for any particular purpose.