

MATERIAL SAFETY DATA SHEET

Product**PLATFORM S**

Page : 1/6

Product code : 1696

Version : 6

Date : 16/07/2004

Supersedes : 20/01/2004

01 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PLATFORM S
Name : FMC CHEMICAL
Address : Boulevard de la Plaine, 9/3
1050 BRUXELLES
BELGIQUE
Telephone number : 32(0)2 6459584
Telefax number : 32(0)2 6459655
EMERGENCY TELEPHONE
NUMBER : 001 800 12 13 14 15
Recommended use : Herbicide

02 COMPOSITION / INFORMATION ON INGREDIENTS

PREPARATION :
Chemical nature : Herbicide based on Carfentrazone-ethyl and on Mecoprop-P
Components contributing to the hazard : (*)
Mecoprop-P (CAS : 16484-77-8, EINECS : 240-539-0, EC classification : Xn; R22 - Xi; R41 - N; R51-53) : 60 % (*)
Carfentrazone-ethyl (CAS : 128639-02-1, EC classification : N; R50-53) : 1.5 %

03 HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS :
Adverse human health effects : Harmful if swallowed
Risk of serious damage to eyes
May cause sensitization by skin contact.
Environmental effects : Very toxic to aquatic organisms.
May cause long-term adverse effects to the aquatic environment
Physical and chemical hazards :
- Fire or explosion : Slightly combustible. May support combustion at elevated temperatures
Burning and thermal decomposition may form toxic by-products
Classification of the product : According to EC criteria, this product is classified as :
- HARMFUL
- IRRITANT
- SENSITIZING
- DANGEROUS FOR THE ENVIRONMENT.

04 FIRST AID MEASURES

Inhalation : Move the affected person to the fresh air
If the person feels unwell :
Call a doctor
Skin contact : Remove all contaminated clothing and footwear
Wash with soap and water
In case of redness or irritation, call a doctor

MATERIAL SAFETY DATA SHEET**Product****PLATFORM S**

Page : 2/6

Product code : 1696

Version : 6

Date : 16/07/2004

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Eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (for at least 15 minutes)
Consult an eye specialist immediately

Ingestion : If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink
Consult a doctor

05 FIRE FIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO₂)
Foam
Powders

Not suitable extinguishing media : Water (the product is hazardous for the environment - do not dilute it)

Specific fire fighting methods : Isolate fire area. Evacuate downwind
Contain the extinguishing fluids by bunding (the product is hazardous for the environment)
Do not attempt to fight the fire without suitable protective equipment
Do not breathe fumes

Protection of fire-fighters : Self-contained breathing apparatus
Complete protective clothing

06 ACCIDENTAL RELEASE MEASURES

Personal precautions : Do not attempt to intervene without a suitable protective equipment
Avoid contact with skin and eyes

Environmental precautions : Do not allow product to spread into the environment
Contain the spilled material by bunding (product is hazardous for the environment)

Methods for cleaning up :

- Recovery : Avoid creating or spreading dust
Spray with water.
Recover the product with absorbent material
- Neutralization : Absorb spillage with:
- earth or sand
Neutralize non-recoverable product with :
- a solution of caustic or soda ash, and an appropriate alcohol (methanol, ethanol or isopropanol)
- Cleaning/decontamination : Wash with plenty of water and detergent.
- Disposal : Dispose of contaminated material at an authorized site

07 HANDLING AND STORAGE**HANDLING**

Technical measures : Dust extraction (suction)

STORAGE

Storage conditions :

- Recommended : Store :
- the container tightly closed and dry

MATERIAL SAFETY DATA SHEET**Product****PLATFORM S**

Page : 3/6

Product code : 1696

Version : 6

Date : 16/07/2004

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- in a cool, well-ventilated area
- away from any source of ignition
- out of reach of children.
- away from food and drinks and animal foodstuffs

Packaging materials :

- Recommended : Original packaging

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures : Ensure good ventilation of the work station
Extraction to remove dust at its source

Personal protective equipment :

- Respiratory protection : In the event of insufficient ventilation:
Filtering respiratory protective device with a specific pesticide canister.
 - Hand protection : Nitrile protective gloves.
Neoprene protective gloves.
 - Eye protection : If the dust is spread :
Goggles
 - Skin and body protection : Handling product in large quantities :
Impermeable suit (Hypalon, Tyvek, Saranex, PVC...).
Safety foot-wear.
- Hygiene measures : Always wash your hands after handling the product
Always take a shower after work.

09 PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Granules
Colour : brown
Odour : slight phenol.
pH : 7.68 (aqueous solution - 1 %)
Flammability characteristics :
- Auto-ignition temperature : 265 °C
Specific gravity : 0.373 - 0.408 kg/dm³
Solubility :
- in water : Completely soluble

10 STABILITY AND REACTIVITY

Stability : Stable at ambient temperature and under normal conditions of use
Hazardous reactions :
- Conditions to avoid : May decompose :
- on heating
- Hazardous decomposition products : On combustion or on thermal decomposition (pyrolysis) releases :
Carbon oxides (CO, CO₂)

MATERIAL SAFETY DATA SHEET**Product****PLATFORM S**

Page : 4/6

Product code : 1696

Version : 6

Date : 16/07/2004

Supersedes : 20/01/2004

Hydrogen fluoride, Hydrogen chloride
Nitrogen oxides**11 TOXICOLOGICAL INFORMATION**

Product as it is :

Acute toxicity :

LC 50 inhalation/4h/rat: >5 mg/l
(maximum attainable concentration - zero mortality)
LD 50 skin (Rat) : > 2000 mg/kg
Harmful if swallowed
LD 50 oral (Rat) : 1464 mg/kg

Acute symptoms :

Loss of co-ordination
Lethargy
Difficulty in breathing

Local effects :

Skin contact :
Not irritating
Eye contact :
May cause severe ocular lesions

Sensitization :

May cause sensitization by skin contact

12 ECOLOGICAL INFORMATION

Persistence:

Mecoprop-P :
Half-life (in soil) : 12 d
Carfentrazone-ethyl :
Half-life (in soil) : < 1.5 d
Half-life (in water) : 8.3 d (pH = 5)

BIOACCUMULATION:

Octanol/water partition coefficient :

Mecoprop-P :
1.44 -0.19 (pH = 5 - 9)
Carfentrazone-ethyl :
3.36

Bioconcentration factor.

Carfentrazone-ethyl :
BCF = 159
Mecoprop-P :
BCF = 3

ECOTOXICITY :

Effects on the aquatic environment :

Product as is :
Very toxic to aquatic organisms
May cause long-term adverse effects to the aquatic environment.
EC 50 (Algae)/ 72 h : 0.4 mg/l
LC50 (Rainbow trout / 96 h) : 35.4 mg/l
EC 50 (Daphnia : Daphnia magna)/ 48 h : 141 mg/l

Effects on terrestrial animals:

LD50(birds) : 1000 - 2000 mg/kg

MATERIAL SAFETY DATA SHEET**Product****PLATFORM S**

Page : 5/6

Product code : 1696

Version : 6

Date : 16/07/2004

Supersedes : 20/01/2004

13 DISPOSAL CONSIDERATIONS

WASTE FROM PRODUCT :

Prohibition : Discharging waste into rivers and drains is prohibited
Destruction/Disposal : Dispose of in accordance with relevant local regulations
Incinerate at a licensed installation

CONTAMINATED PACKAGING :

Destruction/disposal : Dispose of at an approved site
Incinerate at a licensed installation

14 TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS :

Land transportation :

- Rail/road (RID/ADR) : UN number : 3077
Class : 9
Classification code : M7
Labelling : 9
Hazard identification number : 90
Packaging group : III

Sea (IMO/IMDG) :

UN number : 3077
Class : 9
Labelling : 9
Packaging group : III

Air (ICAO-IATA) :

UN number : 3077
Class : 9
Labelling : 9
Packing group : III

15 REGULATORY INFORMATION

LABELLING :

- Identification of the hazardous product:

Contains :
Active ingredient(s) :
Mecoprop-P : 60 % weight
Carfentrazone-ethyl : 1.5 % weight

- Symbols and indications of danger:

- HARMFUL (Xn)
- DANGEROUS FOR THE ENVIRONMENT (N)

- R phrases :

R 22 : Harmful if swallowed
R 41: Risk of serious damage to eyes
R 43: May cause sensitization by skin contact.
R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- S phrases :

S 2 : Keep out of the reach of children
S 24 : Avoid contact with skin
S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

MATERIAL SAFETY DATA SHEET

Product**PLATFORM S**

Page : 6/6

Product code : 1696

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- Additional phrases : (*)

NOTE :

S 37/39 : Wear suitable gloves and eye protection.
S 46: If swallowed seek medical advice immediately and show this container or label
S 57 : Use appropriate container to avoid environmental contamination.

Prescribed phrase on label :
Follow instructions' use to avoid risk to man and the environment.
Sensitizing product. Sensitizing components have not been identified. (*)

The above information refers to the main regulations specifically applicable to the product described in the MSDS.
The cited basic community texts are being updated and transcribed in national law.
Refer to all applicable international, national and local regulations or provisions.
The user's attention is drawn to the possible existence of additional provisions which complete these regulations.

16 OTHER INFORMATION

Registered trademarks :

Platform and FMC are registered trademarks of FMC Corporation, USA.

* Update :

This sheet was updated (refer to the date at the top of this page)
Subheadings and text which have been modified since the previous version are followed with an asterisk (*)

This sheet completes the technical sheets but it does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.
The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended.
This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.
The mandatory regulations mentioned are only intended to help the user to fulfil his obligations regarding the use of hazardous products.
This listing must not be considered exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

End of document.**Number of pages : 6**