

AURORA 40 WG/PLATFORM 40 WG

Page: 1 Version: 7 Date: 16/10/2012

Supersedes: 29/10/2008

Product code: 6002

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

: AURORA 40 WG/PLATFORM 40 WG 1.1. Product identifier

1.2. Relevant identified uses of the substance or mixture and uses

advised against

1.3. Details of the supplier of the

safety data sheet

Name : FMC CHEMICAL SprI : Boulevard de la Plaine, 9/3 **Address**

1050 BRUXELLES **BELGIQUE**

: Herbicide

Telephone number : 00 32 2 6459584 Telefax number : 00 32 2 6459655 E-mail : msdsinfo@fmc.com 1.4. Emergency telephone number : 00 32 14 58 45 45

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

MOST IMPORTANT HAZARDS

Adverse human health effects

Environmental effects

: May cause sensitization by skin contact

: Very toxic to aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

Physical and chemical hazards

- Fire or explosion

: Not classified as flammable by EC criteria

Classification of the product

: According to European regulations (67/548/EEC & 1999/45/EC), this product is

classified as: R43

N: R50-53

2.2. Label elements

Identification of the hazardous product:

: Active ingredient(s):

Carfentrazone-ethyl

- Symbols and indications of danger





: - IRRITANT (Xi) - DANGEROUS FOR THE ENVIRONMENT (N)

- R phrases : 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 the reach of children.

S46: If swallowed seek medical advice immediately and show this container or

label.

S24: Avoid contact with skin. S37: Wear suitable gloves.

S57: Use appropriate container to avoid environmental contamination.

- Additional phrases : The following must appear on the label:

To avoid risks to man and the environment, comply with the instructions for use

Sensitizing product. Sensitizing components have not been identified.

FMC CHEMICAL Spri



AURORA 40 WG/PLATFORM 40 WG

Page: 2 Version: 7 Date: 16/10/2012

Supersedes: 29/10/2008

Product code: 6002

SECTION 2 HAZARDS IDENTIFICATION (continued)

2.3. Other hazards : None, to our knowledge

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE

Chemical nature : Herbicide based on carfentrazone-ethyl

Hazardous constituents

Substance name Contents CAS No EC No Index No Classification Carfentrazone-ethyl (ISO) N: R50-53 128639-02-1 607-309-00-5

Aquatic Acute 1 H400 Aquatic Chronic 1 H410

Further information : Full text of R and H phrases : see section 16

SECTION 4 FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation : Move the affected person to the fresh air

If the person feels unwell:

Call a doctor

: Remove all contaminated clothing and footwear Skin contact

Wash with soap and water

In case of redness or irritation, call a doctor

Eye contact : Rinse immediately with plenty of water (for at least 15 minutes).

If irritation persists, consult an eye specialist

: If the person is fully conscious, make him/her drink water. Never give an Ingestion

unconscious person anything to drink Consult a doctor if necessary

4.2. Most important symptoms and

effects, both acute and delayed

: No information available

4.3. Indication of any immediate medical attention and special

treatment needed

: Treat symptomatically and supportively in response to reactions of patient

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: : Carbon dioxide (CO2)

Foam Powders

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

5.2. Special hazards arising from the :

During combustion:

substance or mixture

Toxic vapors may be released

5.3. Advice for fire-fighters : Isolate fire area. Evacuate downwind

Contain the extinguishing fluids by bunding (the product is hazardous for the

environment)

Do not breathe fumes.

Do not attempt to fight the fire without suitable protective equipment :

Self-contained breathing apparatus Complete protective clothing



AURORA 40 WG/PLATFORM 40 WG

Page: 3 Version: 7 Date: 16/10/2012

Supersedes: 29/10/2008

Product code: 6002

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective : For non-emergency personnel :

equipment and emergency

procedures

Avoid contact with skin and eyes For emergency responders:

Do not attempt to fight the fire without suitable protective equipment

For further information see section 8

6.2 Environmental precautions : Do not allow product to spread into the environment

Contain the spilled material by bunding (product is hazardous for the environment)

6.3. Methods and material for containment and cleaning up

: Avoid creating or spreading dust - Recovery

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.

6.4 Reference to other sections : For further information see section 13

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Technical measures : Dust extraction (suction)

: Always wash your hands after handling the product Hygiene measures

> Do not eat, drink or smoke during use Always take a shower after work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

- Recommended : Store:

> - the container tightly closed and dry - 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 : No information available 7.3. Specific end use(s)

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

: No specific limit

8.2. Exposure controls **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 pesticide canister

FMC CHEMICAL Spri

Boulevard de la Plaine, 9/3 1050 BRUXELLES BELGIQUE



AURORA 40 WG/PLATFORM 40 WG

Page : 4

Version : 7

Date : 16/10/2012

Supersedes : 29/10/2008

Product code: 6002

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

- Hand protection : Nitrile-rubber protective gloves

Neoprene rubber gloves

- Eye protection : If the dust is spread :

Safety spectacles with side shields

- Skin and body protection : Handling product in large quantities :

Impermeable suit (Hypalon, Tyvek, Saranex, PVC...).

Safety foot-wear

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical

and chemical properties

Physical state : Solid

Colour: white beigeOdour: faint chemicalOdour threshold: Not applicable

pH : 7.5 at 22 °C (Aqueous solution - 5.44 %)

Specific temperatures

Boiling : Not applicable
 Melting point : Not applicable
 Decomposition temperature : Not applicable

Flammability characteristics

- Flash point : Not applicable

- Auto-ignition temperature : No self-ignition temperature

Oxidizing properties : Non oxidizing material according to EC criteria

Explosion properties : Not explosive Vapour pressure : Not applicable Vapour density (air = 1) : Not applicable : 0.55 g/ml **Bulk density** : Not applicable Solubility Octanol/water partition coefficient : Not applicable Kinematic viscosity : Not applicable **Evaporation rate** : Not applicable

9.2 Other information : No information available

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity : To our knowledge, the product does not present any particular risk10.2. Chemical stability : Stable at ambient temperature and under normal conditions of use

10.3. Possibility of hazardous : None, to our knowledge

reactions

10.4. Conditions to avoid : May decompose :

- on heating

10.5. Incompatible materials : None, to our knowledge

10.6. Hazardous decomposition : On combustion or on the

products

: On combustion or on thermal decomposition (pyrolysis) releases :

Carbon oxides (CO, CO2)

Nitrogen oxides Hydrogen fluoride Hydrochloric acid

FMC CHEMICAL SprI

Boulevard de la Plaine, 9/3 1050 BRUXELLES BELGIQUE



AURORA 40 WG/PLATFORM 40 WG

Page : 5 Version : 7 Date : 16/10/2012

Supersedes : 29/10/2008

Product code: 6002

SECTION 11TOXICOLOGICAL INFORMATION

11.1. Information on toxicological

effects

Acute toxicity : LC 50 inhalation / 4h (rat) : > 5.72 mg/l

LD 50 skin (Rat) : > 5000 mg/kg LD 50 oral (rat) : > 5000 mg/kg

Skin corrosion/irritation: Not irritatingSerious eye damage/irritation: Not irritating

Respiratory or skin sensitization : May cause sensitization on contact with skin

Repeated dose toxicity : No additional information available

Carcinogenicity: Carfentrazone-ethyl : No cancerogenic effects were notedMutagenicity: Carfentrazone-ethyl : No mutagenic effects were noted

Reproductive toxicity : Carfentrazone-ethyl : Fertility and development toxicity tests did not reveal any

effect on reproduction

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity : Product as is :

Very toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment EC 50 (Algae)/72h : 67 µg/l Carfentrazone-ethyl : EC 50 (Algae) :12 µg/l LC 50 (Fish) : 1.6 mg/l

EC 50 (Daphnia) / 48h: > 9.8 mg/l

12.2. Persistence and degradability : Carfentrazone-ethyl :

Half-life (in water) : 8.3 d (pH = 5)

Half-life (in soil): <1.5 d

12.3. Bioaccumulative potential : Carfentrazone-ethyl :

log Pow = 3.36 BCF : 159

12.4. Mobility in soil : Carfentrazone-ethyl : High mobility

12.5. Results of PBT and vPvB

assessment

: Carfentrazone-ethyl : Moderately persistent

12.6. Other adverse effects : No information available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

WASTE FROM PRODUCT

Prohibition:: Discharging waste into rivers and drains is prohibitedDestruction/Disposal: Dispose of in accordance with relevant local regulations

Incinerate at a licensed installation

CONTAMINATED PACKAGING

Destruction/disposal : Dispose of in accordance with relevant local regulations

Do not re-use empty container

SECTION 14 TRANSPORT INFORMATION

14.1. UN number : 3077

FMC CHEMICAL SprI



AURORA 40 WG/PLATFORM 40 WG

Page : 6 Version : 7 Date : 16/10/2012

Supersedes : 29/10/2008

Product code: 6002

SECTION 14 TRANSPORT INFORMATION (continued)

14.2. UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Carfentrazone-

ethyl (ISO))

14.3. Transport hazard class(es) : 9
14.4. Packing group : III

14.5. Environmental hazards : Additional marking: "Environmentally hazardous substance"

Marine pollutant: YES

14.6. Special precautions for user : No information available14.7. Transport in bulk according to : No information available

Annex II of MARPOL73/78 and the IBC

Code

SECTION 15 REGULATORY INFORMATION

15.1. Safety, health and : No additional information available

environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment : A chemical safety assessment acc. to art. 14 of Regulation (EC) No 1907/2006 is

not required, because art. 15 of the same regulation applies

SECTION 16 OTHER INFORMATION

R phrases text of § 2&3 : R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in

the aquatic environment.

H phrases text of § 2&3 : H400 : Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

* **Update**: : This sheet was updated (refer to the date at the top of this page)

This sheet has been revised completely (changes were not marked)

Registered trademarks: : Aurora, Platform and FMC are registered trademarks of FMC Corporation

This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.

Besides, the attention of the user is drawn to the possible risk incurred by using the product for any other use than that for which it

In no way does this exempt the user from knowing and applying all the regulations controlling his activity. The user alone will take on the responsibility for taking the precautions involved by the use of the product.

The aim of all the mandatory regulations mentioned is just to help the user to fulfill his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations than those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

End of document