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

1.1 Product identifier

Product: ETHOFUMESATE/PHENMEDIPHAM 100/80 G/L EC
Synonyms: TEAMFORCE (UK: MAPP 14923); WIZARD (IRL: PCS NO 03112)
Type: Formulated product

1.2 Relevant identified uses of the substance or mixture and uses advised against

Herbicide

1.3 Details of the supplier of the safety data sheet

Name: AgriChem B.V.
Address: Koopvaardijweg 9
Postal code: 4906 CV
Residence: Oosterhout
Country: the Netherlands
Telephone no: (++ 31) (0)162 431 931
Fax no: (++ 31) (0)162 456 797
e-Mail: info@agrichem.com

1.4 Emergency telephone number

In case of poisoning contact national or local poison information centre
(London telephone no. 01737 6359191)

2 HAZARDS IDENTIFICATION

R21/22 Harmful in contact with skin and if swallowed
R37 Irritating to respiratory system
R40 Limited evidence of a carcinogenic effect
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS no</th>
<th>EINECS no</th>
<th>Percentage</th>
<th>Labeling</th>
<th>R phrases (1)</th>
<th>H phrases (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: ISOPHORONE</td>
<td>78-59-1</td>
<td>201-126-0</td>
<td>61</td>
<td>Xn</td>
<td>21/22-36/37-40A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>26225-79-6</td>
<td></td>
<td>10</td>
<td>N</td>
<td>51/53</td>
<td></td>
</tr>
<tr>
<td></td>
<td>237-199-0</td>
<td></td>
<td></td>
<td></td>
<td>H411</td>
<td></td>
</tr>
<tr>
<td>3: PHENMEDIPHAM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H410</td>
<td></td>
</tr>
</tbody>
</table>

(1) Complete text of R/H phrases: see chapter 16
4 FIRST AID MEASURES

4.1 Description of first aid measures

Fresh air, rest. Rinse skin with plenty of water or shower for at least 15 minutes. In the meantime remove contaminated clothes and shoes. Rinse with plenty of water for at least 10 minutes. Flush away from the non-contaminated eye. In case of contact lenses: if these can be removed easily, remove lenses first and rinse afterwards. Contact poison information centre to see if drinking a solution of active charcoal in water is recommended. Call the ambulance. An hospitalisation is recommended. Consult an eye doctor immediately. Artificial respiration may be necessary. Call an ambulance. An hospitalization is recommended.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Pre-hospital: symptomatic treatment. Since up to now only results from animal studies are available and since no or almost no cases have been reported for men, an observation in the hospital is recommended. Contact the Poisons information centre for further information.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

All extinguishing media allowed. Solid water jet ineffective as extinguishing medium.

5.2 Special hazards arising from the substance or mixture

On heating/burning: release of toxic and corrosive gases/vapours.

5.3 Advice for firefighters

Use water moderately and if possible collect or contain it. Heat/fire exposure: compressed air/oxygen apparatus. Wear suitable protective clothing. Take account of environmentally hazardous firefighting water.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Protective clothing. Gloves. Ventilation. Avoid contact with skin and eyes.

6.2 Environmental precautions

Dam up the liquid spill. Try to reduce evaporation.

6.3 Methods and material for containment and cleaning up

Carefully collect the spill/leftovers. Absorb with liquid-binding material (sand, sawdust, ...). Scoop spill into closing containers. Wash clothing and equipment after handling.
7 HANDLING AND STORAGE

7.1 Precautions for safe handling
Comply with the legal requirements. Do not discharge the waste into the drain. Clean contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities
Keep locked up. Store in original packaging. Store at a cool, dry, well ventilated place. Protect against frost. Keep away from combustible materials, heat, sparks and open flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>comp. ppm</th>
<th>comp. mg/m3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal limit value TWA 8 h:</td>
<td>1. -</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
Protective clothing. Gloves.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Form: Liquid
Odour: Organic, not further characterised
Colour: Liquid: light yellow

9.2 Other information (EN L 133/22 Official Journal of the European Union 31.5.2010)

| pH value: | 1.4-1.5 |
| Flash point/flammability: | 85 °C |
| Relative density: | 0.99 |
| Solubility: | Water miscible |
| Viscosity: | 20-23 mPa.s |
| Surface tension: | 29-30 mN/m |

10 STABILITY AND REACTIVITY

10.1 Reactivity
Avoid contact with incompatible materials.
10.2 Chemical stability
Incompatibilities: acids, oxidising materials. Avoid contact with incompatible materials. Avoid heat, flames, sparks and other sources of ignition.

10.3 Possibility of hazardous reactions
On heating/burning: release of toxic and corrosive gases/vapours.

10.4 Conditions to avoid
Stable at normal temperature and pressure.

10.5 Incompatible materials
Avoid contact with incompatible materials. Avoid heat, flames, sparks and other sources of ignition.

10.6 Hazardous decomposition products
On heating/burning: release of toxic and corrosive gases/vapours.

11 TOXICOLOGICAL INFORMATION

LD50 oral rat: 500 mg/kg
LD50 dermal rat: > 2000 mg/kg
LD50 dermal rabbit:
LC50 inhalation rat:

Harmful by ingestion. Irritating to the respiratory system. Non-irritating to skin (rabbit). Non-irritating to eyes (rabbits). No certainty about human carcinogenic properties.

12 ECOLOGICAL INFORMATION

12.1 Toxicity
LC50 (for fish): 28.3 mg/l
EC50 (for crustacea): 75.5 mg/l
ErC50 (for algae): 7.49 mg/l
Acute aquatic hazard:
Chronic aquatic hazard:

Oral toxicity bees: >14.8 µg a.s./bee
Dermal toxicity bees: 43.5 µg a.s./bee
LD50 birds:

12.2 Persistence and degradability

12.3 Bioaccumulative potential
Bioaccumulation: not applicable.
12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Do not discharge into surface water.

DISPOSAL METHODS
Remove to an authorized incinerator equipped with an afterburner.

CONTAINER DISPOSAL
Packaging should be disposed of at a special chemical waste disposal facility.

13.1 Waste treatment methods

14 TRANSPORT INFORMATION

Hazard identification: 90
UN no: 3082
UN name: Road Environmentally hazardous substance, liquid, n.o.s.
Class: 9,11 c)
Group:
Marine pollutant:
EMS number:
Label:

15 REGULATORY INFORMATION

Harmful
Dangerous for the environment

Risk phrases:
R21/22 Harmful in contact with skin and if swallowed
R37 Irritating to respiratory system
R40 Limited evidence of a carcinogenic effect
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
MATERIAL SAFETY DATA SHEET

ETHOFUMESATE/PHENMEDIPHAM 100/80 G/L EC

Safety phrases:
S(2) (Keep out of the reach of children)
S13 Keep away from food, drink and animal feeding stuffs
S20/21 When using do not eat, drink or smoke
S35 This material and its container must be disposed of in a safe way
S36/37 Wear suitable protective clothing and gloves
S46 If swallowed, seek medical advice immediately and show this container or label
S57 Use appropriate container to avoid environmental contamination

16 OTHER INFORMATION

The complete text of the R phrases mentioned in chapter 3:

R21/22 Harmful in contact with skin and if swallowed
R36/37 Irritating to eyes and respiratory system
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R40A Limited evidence of a carcinogenic effect

The complete text of the H phrases mentioned in chapter 3:

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H351.101 Suspected of causing cancer.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

The information in this MSDS is to the best of our knowledge true and accurate, but all instructions, recommendations and suggestions are made without guarantee. We can accept no liability for loss or damage suffered from use of this information. Furthermore no liability is accepted if use of any product in accordance with these instructions, recommendations and suggestions infringes any patent.