SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : CLEANCROP COVERT
Product code : 6270

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

1.2.1. Relevant identified uses
Use of the substance/mixture : Herbicide

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet

FMC CHEMICAL Sprl
Boulevard de la Plaine, 9/3
1050 BRUXELLES - BELGIQUE
T 00 32 2 6459584 - F 00 32 2 6459655
msdsinfo@fmc.com

1.4. Emergency telephone number

Emergency number : 00 32 14 58 45 45 (all countries)

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
</tr>
</thead>
<tbody>
<tr>
<td>BELGIUM</td>
<td>Centre Anti-Poisons/Antitoxicentrum</td>
<td>Rua Bruyn B 1120 Brussels</td>
<td>+32 70 245 245</td>
</tr>
<tr>
<td>BULGARIA</td>
<td>National Toxicological Information Centre</td>
<td>21 Totiieben Boulevard 1606 SOFIA</td>
<td>+359 2 9154 409</td>
</tr>
<tr>
<td>ČESKÁ REPUBLIKA</td>
<td>Toxikologické informační středisko</td>
<td>Na Bojist 1 120 00 Praha 2</td>
<td>+420 224 919 293</td>
</tr>
<tr>
<td>DANMARK</td>
<td>Giftlinjen Bispebjerg Hospital</td>
<td>Bispebjerg Bakke 23, 60, 1 DK-2400 Copenhagen NV</td>
<td>+45 82 12 12 12</td>
</tr>
<tr>
<td>FRANCE</td>
<td>ORFILA</td>
<td>Rua Almirante Barroso 36 1000-013 Lisboa</td>
<td>+351 014 54 25 59</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Berliner Betrieb für Zentrale Gesundheitliche Aufgaben</td>
<td>Oranienburger Strasse 285</td>
<td>+49 30 19240</td>
</tr>
<tr>
<td>HUNGARY</td>
<td>Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety)</td>
<td>Oranienburger Strasse 285</td>
<td>+36 80 20 11 99</td>
</tr>
<tr>
<td>IRELAND (REPUBLIC OF)</td>
<td>National Poisons Information Centre</td>
<td>Beaumont Hospital PO Box 1297 Beaumont Road Dublin</td>
<td>+353 1 809 2166</td>
</tr>
<tr>
<td>ITALY</td>
<td>Centro Antiveneti Ospedale Niguarda Ca Granda</td>
<td>Piazza Ospedale Maggire 3 20162 Milano</td>
<td>+39 02 6610 1029</td>
</tr>
<tr>
<td>LITHUANIA</td>
<td>Poisons Control and Information Bureau</td>
<td>Silnamu 29 2043 Vilnius</td>
<td>+370 523 62052</td>
</tr>
<tr>
<td>NEDERLAND</td>
<td>Nationaal Vergiftigingen Informatie Centrum (Uitsluitend bestemd omartsen te informeren bij accidentele vergiftigingen)</td>
<td>Heideberglaan 100 3584 CX Utrecht</td>
<td>+31 30 274 88 88</td>
</tr>
<tr>
<td>NORWAY</td>
<td>Giftinformasjonen</td>
<td>P.O. Box 7000 St. Olav Plass 130 Oslo</td>
<td>+47 22 591300</td>
</tr>
<tr>
<td>POLAND</td>
<td>Warsaw Poison Control and Information Centre</td>
<td>Al. Solidarnosci 67 P-03 401 Warszawa</td>
<td>+48 22 619 66 54</td>
</tr>
<tr>
<td>PORTUGAL</td>
<td>Centro de Informação Antivenenos – Dra Arlinda Borges</td>
<td>Rua Almirante Barroso, 36 1000-013 Lisboa</td>
<td>808 250 143 (for use only in Portugal),</td>
</tr>
<tr>
<td>ROMANIA</td>
<td>Institutul National de Sanatate Publica</td>
<td>Str. Dr. Leonte Anastasievi Nr.1-3, Sector 5 Bucuresti, directie.generala (af) imp.gov.ro 050463 Bucuresti</td>
<td>+40 21318 3606</td>
</tr>
<tr>
<td>SLOVAKIA</td>
<td>National Toxicological Information Centre</td>
<td>Limbova 5 833 05 Bratislava</td>
<td>+421 2 54 77 4 166</td>
</tr>
<tr>
<td>SLOVENIA</td>
<td>Poison Centre Division of Internal Medicine</td>
<td>University Clinical Centre Zateoka 7 1525 Ljubljana</td>
<td>+386 41 650 500</td>
</tr>
</tbody>
</table>

1.4. Emergency telephone number

Emergency number : 00 32 14 58 45 45 (all countries)
SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

 Classification according to Regulation (EC) No. 1272/2008 [CLP]
 Aquatic Chronic 4 H413
 Full text of H-phrases: see section 16

 Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
 R53
 Full text of R-phrases: see section 16

 Adverse physicochemical, human health and environmental effects
 May cause long lasting harmful effects to aquatic life.

2.2. Label elements

 Labelling according to Regulation (EC) No. 1272/2008 [CLP]
 Signal word (CLP) : -
 Hazard statements (CLP) : H413 - May cause long lasting harmful effects to aquatic life
 Precautionary statements (CLP) : P273 - Avoid release to the environment
 P501 - Dispose of this material and its container to hazardous or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
 EUH phrases : EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

2.3. Other hazards

 No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

 Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
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</thead>
<tbody>
<tr>
<td>Clomazone</td>
<td>(CAS No) 81777-89-1</td>
<td>&lt; 35</td>
<td>Xn; R20/22 N; R50/53</td>
<td>Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
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<tr>
<td>Sodium nitrate</td>
<td>(CAS No) 7631-99-4 (EC no) 231-554-3</td>
<td>5</td>
<td>O; R8 Xn; R22 Xi; R36/37/38</td>
<td>Ox, Sol. 1, H271 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335</td>
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<tr>
<td>calcium chloride</td>
<td>(CAS No) 10043-52-4 (EC no) 233-140-8 (EC index no) 017-013-00-2</td>
<td>5</td>
<td>Xi; R36</td>
<td>Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>

Full text of R- and H-phrases: see section 16
SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: Move the affected person to the fresh air. In the event of coughing and slight breathlessness: Call a doctor.

First-aid measures after skin contact: Remove all contaminated clothing and footwear. Wash with soapy water.

First-aid measures after eye contact: Rinse immediately with plenty of water. Consult an ophthalmologist if irritation persists.

First-aid measures after ingestion: Rinse mouth out with water. If the person is fully conscious, make him/her drink plenty of water. Never give an unconscious person anything to drink. Ask for medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Clomazone:
Symptoms observed in laboratory animals:
Nosebleed
Lacrimation
Loss of coordination.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively in response to reactions of patient.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Powder
Foam
Carbon dioxide (CO2)
Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard: During combustion:
Toxic vapours may be released.

5.3. Advice for firefighters

Firefighting instructions: Isolate fire area. Evacuate downwind
Do not breathe fumes
Contain the extinguishing fluids by bunding
Do not allow run-off from fire-fighting to enter drains or water courses.

Protection during firefighting: Do not attempt to take action without suitable protective equipment
Self-contained breathing apparatus
Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Avoid contact with skin and eyes
Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment
For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not allow product to spread into the environment
Contain the spilled material by bunding
(May be dangerous for the environment).

6.3. Methods and material for containment and cleaning up

For containment: Liquid spill: take up in sand, earth, vermiculite.

Methods for cleaning up: Clean and neutralize spill area, tools and equipment by washing with bleach, soap and water
Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in section 13.

6.4. Reference to other sections

For further information refer to section 13.
SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Vapour extraction
Avoid any direct contact with the product
Work in a well-ventilated area.

Hygiene measures: Always wash hands after handling the product
Always take a shower after work
Separate working clothes from town clothes. Launder separately
Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in dry, cool, well-ventilated area
Protect from freezing
Keep out of the reach of children
Keep away from food, drink and animal feeding stuffs.

Packaging materials: Original packaging.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional information available

8.2. Exposure controls
Appropriate engineering controls: Ensure good ventilation of the work station
Extraction to remove vapours at their source.

Hand protection: Neoprene protective gloves
Nitrile-rubber protective gloves.

Eye protection: Safety glasses.

Skin and body protection: Impermeable clothing.

Respiratory protection: If the ventilation is suitable, it is not essential to wear respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
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<tr>
<td>Colour</td>
<td>light beige.</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight aromatic.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
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<tr>
<td>pH</td>
<td>8.87</td>
</tr>
<tr>
<td>pH solution</td>
<td>1 %</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 79 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>392 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>Not determined</td>
</tr>
<tr>
<td>Relative density</td>
<td>1,1712 (20°C)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Dispersible</td>
</tr>
<tr>
<td>Log Pow</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>115 - 746 mPa.s (20°C)</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Non oxidizing material.</td>
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<tr>
<td>Explosive limits</td>
<td>No data available</td>
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</tbody>
</table>

9.2. Other information
Other properties: Surface tension: 46.7 mN/m (25 °C) - 44.2 mN/m (40 °C).
SECTION 10: Stability and reactivity

10.1. Reactivity
To our knowledge, the product does not present any particular risk.

10.2. Chemical stability
Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions
None to our knowledge.

10.4. Conditions to avoid
None, to our knowledge.

10.5. Incompatible materials
None to our knowledge.

10.6. Hazardous decomposition products
On thermal decomposition (pyrolysis), releases: Nitrogen oxides, Hydrochloric acid, Chlorine Carbon oxides (CO, CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

CLEANCROP COVERT

LD50 oral rat  > 5000 mg/kg
LD50 dermal rat  > 5000 mg/kg
LC50 inhalation rat  > 5,21 mg/l/4h (maximum attainable concentration - zero mortality)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Cromazine : No mutagenic effects were noted
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Cromazine : No carcinogenic effect was noted
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
Cromazine : Fertility and development toxicity tests did not reveal any effect on reproduction

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure) : Not classified (Based on available data, the classification criteria are not met)

Clomazone (81777-89-1)

NOAEL, rat 1000 mg/kg bw/day (28 days)
NOAEL, rat 41 mg/kg bw/day (2 years)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : May cause long-term adverse effects to the aquatic environment.

CLEANCROP COVERT

LC50 fish  592.7 mg/l/96h
EC50 Daphnia  491.3 mg/l/48h
ErC50 (algae)  160.85 mg/l/96h
NOEC algae  93.9 mg/l/72h
12.2. Persistence and degradability

Clomazone (81777-89-1)

Persistence and degradability

Half-life (whole system) : 40.4 - 66.9 days
Half-life (in soil) : 15 – 90 days.

12.3. Bioaccumulative potential

Clomazone (81777-89-1)

BCF 40
Log Pow 2.54 (23 °C)

12.4. Mobility in soil

Clomazone (81777-89-1)

Mobility in soil Medium mobility in soil

12.5. Results of PBT and vPvB assessment

Component

Clomazone (81777-89-1) The product does not meet the PBT and vPvB classification criteria

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of in accordance with relevant local regulations
Incinerate at a licensed installation.

Additional information : Clean container with water
Recycle or dispose of in compliance with current legislation
Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : No additional information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions
Contains no substance on the REACH candidate list

15.2. National regulations

No additional information available

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

Indication of changes:
This sheet was updated (refer to the date at the top of this page)
SDS changed section(s) : 5-6-12-14.

Full text of R-, H- and EUH-phrases:

<table>
<thead>
<tr>
<th>R-Phrase</th>
<th>EUH-Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Inhalation)</td>
<td>Acute toxicity (inhal.), Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 4</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 4</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Ox. Sol. 1</td>
<td>Oxidising Solids, Category 1</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
<tr>
<td>H271</td>
<td>May cause fire or explosion; strong oxidiser</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H413</td>
<td>May cause long lasting harmful effects to aquatic life</td>
</tr>
<tr>
<td>R20/22</td>
<td>Harmful by inhalation and if swallowed</td>
</tr>
<tr>
<td>R22</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>R36</td>
<td>Irritating to eyes</td>
</tr>
<tr>
<td>R36/37/38</td>
<td>Irritating to eyes, respiratory system and skin</td>
</tr>
<tr>
<td>R50/53</td>
<td>Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</td>
</tr>
<tr>
<td>R53</td>
<td>May cause long-term adverse effects in the aquatic environment</td>
</tr>
<tr>
<td>R8</td>
<td>Contact with combustible material may cause fire</td>
</tr>
<tr>
<td>N</td>
<td>Dangerous for the environment</td>
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<tr>
<td>O</td>
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<tr>
<td>Xi</td>
<td>Irritant</td>
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<tr>
<td>Xn</td>
<td>Harmful</td>
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</table>

FDS FMC UE (Annexe II REACH)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.