1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Trades name: SALICYLIC ACID VOLUMINOUS Ph. Eur.
Trades code: 0081
Chemical Name: SALICYLIC ACID VOLUMINOUS Ph. Eur.

1.2. Relevant identified uses of the substance or mixture and uses advised against
Substance
Public domain (administration, education, entertainment, services, craftsmen)

Uses advised against
None in particular.

1.3. Details of the supplier of the safety data sheet
FARMALABOR SRL
VIA POZZILLO, ZI 76012 CANOSA DI PUGLIA (BT)
tel. 0883611301
fax. 0883686140
e-mail: info@farmalabor.it

1.4. Emergency telephone number
Centro Antiveneni Ospedale Niguarda (MI) - 0266101029 24 ore su 24 *** Dimostrativo - NON UTILIZZABILE ***

2. Hazards identification

2.1. Classification of the substance or mixture
CAS 69-72-7

Classification according to Regulation (EC) No 1272/2008:

Pictograms:
GHS05, GHS07

Hazard Class and Category Code(s):
Acute Tox. 4, Eye Dam. 1

Hazard statement Code(s):
H302 - Harmful if swallowed.
H318 - Causes serious eye damage.

Classification according to Directive 67/548/EEC:

Classification:
Xn; R22 Xi; R36

Nature of special risks attributed:
R22 - Harmful if swallowed.
R36 - Irritating to eyes.

Harmful product: do not ingest
If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.
2.2. Label elements
Pictogram, Signal Word Code(s):
GHS05, GHS07 - Danger

Hazard statement Code(s):
H302 - Harmful if swallowed.
H318 - Causes serious eye damage.

Precautionary statements:
Prevention
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P330 - Rinse mouth.

Disposal
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Contains:
Dangerous substances exposed on label: SALICYLIC ACID VOLUMINOUS Ph. Eur.

2.3. Other hazards
No information on other hazards.

3. Composition/information on ingredients

3.1. Composition/information on ingredients
Refer to paragraph 16 for full text of risk phrases and hazard statements

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
<th>Classification</th>
<th>Index</th>
<th>CAS</th>
<th>EINECS</th>
<th>REACCh</th>
</tr>
</thead>
<tbody>
<tr>
<td>SALICYLIC ACID VOLUMINOUS Ph. Eur.</td>
<td>100%</td>
<td>Xn; R22 Xi; R36 GHS05, GHS07 Acute Tox. 4, Eye Dam. 1 - H302, H318</td>
<td>69-72-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. First aid measures

4.1. Description of first aid measures
Inhalation:
Air the area. Remove immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):
Take contaminated clothing immediately off.
Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.

Direct contact with eyes (of the pure product):
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.
Ingestion:
The product is harmful and can cause irreversible damages even following a single exposure if swallowed. Absolutely do not induce vomiting or emesis. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

5. Firefighting measures

5.1. Extinguishing media
Advised extinguishing agents:
Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:
Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture
No data available.

5.3. Advice for firefighters
Use protection for the breathing apparatus.
Safety helmet and full protective suit.
The spray water can be used to protect the people involved in the extinction.
You may also use selfrespirator, especially when working in confined and poorly ventilated spaces and in any case if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...).
Keep containers cool with water spray.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel:
Leave the area surrounding the spill or release. Do not smoke.
Wear mask, gloves and protective clothing.

For emergency responders:
Wear mask, gloves and protective clothing.
Eliminate all unguarded flames and possible sources of ignition. No smoking.
Provision of sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions
Contain spill.
Inform the competent authorities.
Discharge the remain in compliance with the regulations.

6.3. Methods and material for containment and cleaning up
Rapidly recover the product, wear a mask and protective clothing.
Recover the product for reuse, if possible, or the removal.
After wiping up, wash with water the area and materials involved.
6.4. Reference to other sections
Refer to paragraphs 8 and 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling
Avoid contact and inhalation of vapors. See also paragraph 8 below.
At work do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities
Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)
Public domain (administration, education, entertainment, services, craftsmen):
None in particular.

8. Exposure controls/personal protection

8.1. Control parameters
No substances with occupational exposure limit value are present.

8.2. Exposure controls

Appropriate engineering controls:
Public domain (administration, education, entertainment, services, craftsmen):
None in particular.

Individual protection measures:

(a) Eye / face protection
When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other
When handling the pure product wear full protective skin clothing.

(c) Respiratory protection
Not needed for normal use.

(d) Thermal hazards
No hazard to report

Environmental exposure controls:
Minimize product release in the environment.
9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical and chemical properties</th>
<th>Value</th>
<th>Determination method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>white or whitish crystalline powder, or white or colorless needle-shaped crystals</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>from absent to minimum</td>
<td></td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>(2% m/v aqueous suspension) 2.4</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>157-160 °C</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>256 °C (at 1.013 hPa)</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>157 °C - closed cup</td>
<td>ASTM D92</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>irrelevant</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.0002 hPa (at 25 °C)</td>
<td></td>
</tr>
<tr>
<td>Vapour density</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.44 g/cm3 (at 20 °C)</td>
<td></td>
</tr>
<tr>
<td>Solubility</td>
<td>soluble in water, diethyl ether, acetone, ethanol</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble (2 g/l at 20 °C)</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient; n-octanol/water</td>
<td>log Pow: approx. 2</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>not determined</td>
<td></td>
</tr>
</tbody>
</table>

9.2. Other information

No data available.

10. Stability and reactivity

10.1. Reactivity

No reactivity hazards.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

There are no hazardous reactions.

10.4. Conditions to avoid

Heat.
10.5. Incompatible materials
Alkanes and caustic products. Oxidizing agents.

10.6. Hazardous decomposition products
At high temperatures, fire and explosion can produce flammable vapors. Combustion and thermal decomposition can produce toxic vapors: carbon oxides (CO and CO2) and phenol.

11. Toxicological information

11.1. Information on toxicological effects
Acute oral toxicity:
LD50 (male rat): 891 mg/kg

Acute inhalation toxicity:
LC50 (rat): > 0.9 mg/l - 1h

Acute dermal toxicity:
LD50 (rat): > 2000 mg/kg

Repeated dose toxicity:
Oral exposure. 4 Months - (rat) 45.4 mg/kg

12. Ecological information

12.1. Toxicity
Minimize product release in the environment.

Toxicity to fish:
LC50 (Pimephales promelas (fathead minnow)) - 96h: 1.380 mg/l

Toxicity to daphnia and all other aquatic invertebrates:
EC50 (Daphnia magna (Water flea)) - 48 h: 870 mg/l

Toxicity to aquatic plants:
EC50 (Desmodesmus subspicatus (green algae)) - 72 h: > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):
NOEC (Daphnia magna (Water flea)) - 21 d: 10 mg/l

12.2. Persistence and degradability
Readily biodegradable: 100% - 14 days.

12.3. Bioaccumulative potential
Not potentially bioaccumulative.

12.4. Mobility in soil
Distribution in environmental compartments: mobile in soils.
12.5. Results of PBT and vPvB assessment
Chemical safety report is not required.

12.6. Other adverse effects
No adverse effects found.

13. Disposal considerations

13.1. Waste treatment methods
Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force.

14. Transport information

14.1. UN number
Not falling within the scope of EU Directive 96/86/EC and implemented by the Italian legislation concerning the transport of dangerous goods by road (ADR).

14.2. UN proper shipping name
None.

14.3. Transport hazard class(es)
None.

14.4. Packing group
None.

14.5. Environmental hazards
None.

14.6. Special precautions for user
No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
It is not intended to carry bulk.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available.

15.2. Chemical safety assessment
The supplier did not have made a chemical safety assessment.
16. Other information

16.1. Other information

Description of the sentences of risk set out in paragraph 3
R22 = Harmful if swallowed.
R36 = Irritating to eyes.

Description of the hazard statements exposed to point 3
H302 = Harmful if swallowed.
H318 = Causes serious eye damage.

Main instruments:
Dir. 1999/45/EC
Dir. 2001/60/EC
Reg. 2008/1272/EC
Reg. 2010/453/EC