

SOLABIOL ROSE BUG KILLER

1/9

84426725

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Trade name** SOLABIOL ROSE BUG KILLER**Product code** 86600042**Market Authorisation Number** MAPP 18228**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use** Insecticide - Plant Protection Product (REACH PC27)**1.3 Details of the supplier of the safety data sheet****Supplier**

6%0 /LIH6FLHEH/WG

SHULRQXVH

)RUGKDØRDG

1HZPDUNHW

6XIIRON

5(\$ %5,7\$

&% †

Telephone**Responsible Department** (PDLOVGV#EPFRPSDØRP**1.4 Emergency telephone no.** 44 (0) 00 3213079 (24)**National Poisons Information** Email : director.birmingham.unit@npis.org**Service (NPIS) :** Website : <http://www.npis.org/>**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Not classified, the classification criteria are not met.

2.2 Label elements**Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

No hazard label for supply/use required.

2.3 Other hazards

No particular hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Chemical nature**

Any other liquids (AL)

Ready to use liquid insecticidal soap. Fatty acids C7 – C20, potassium salt/alcohol blend

SOLABIOL ROSE BUG KILLER

2/9

84426725

Creation date: 21 /07/2017
Revision date: 29/04/2020
Version 2 / UK

Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

| Name | CAS-No. / EC-No. / REACH Reg. No. | Classification | Conc. [%] |
|--|---|--|-----------|
| | | REGULATION (EC) No 1272/2008 | |
| FATTY ACIDS, C7-C20, POTASSIUM SALT | | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 | 1.6 |
| Ethanol | 64-17-5 200-578-6 | Flam. Liq. 2, H225 | 1 |

Further information

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|-----------------------|--|
| General advice | Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying sideways). |
| Skin contact | Wash off immediately with polyethylene glycol 400, then with plenty of water. If symptoms persist, call a physician. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists. |
| Ingestion | Do NOT induce vomiting. Rinse mouth. Call a physician or poison control center immediately. |

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically. Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. There is no specific antidote.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

| | |
|-------------------|--|
| Suitable | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable | High volume water jet |

SOLABIOL ROSE BUG KILLER

84426725

3/9

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

5.2 Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire.

5.3 Advice for firefighters

Special protective equipment for firefighters In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.

Further information Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

6.2 Environmental precautions Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Collect and transfer the product into a properly labelled and tightly closed container.

6.4 Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

Advice on protection against fire and explosion No special precautions required.

Hygiene measures Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

7.2 Conditions for safe storage, including any incompatibilities

SOLABIOL ROSE BUG KILLER

84426725

4/9

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

Requirements for storage areas and containers Store in a place accessible by authorized persons only. Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Protect from freezing.

7.3 Specific end use(s) Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

| Components | CAS-No. | Control parameters | Update | Basis |
|------------|---------|--|---------|----------|
| Ethanol | 64-17-5 | 1,920 mg/m ³ /1,000 ppm (TWA) | 12 2011 | EH40 WEL |
| Ethanol | 64-17-5 | 500 ppm (TWAEV) | | |

8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

Personal protective equipment

In normal use conditions personal protective equipment is not deemed to be necessary. If there is a potential for excessive exposure the following applies:

Respiratory protection

Respiratory protection is not required under anticipated circumstances of exposure.
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection

Personal protective equipment is not normally required. However, if there is a risk of uncontrolled exposure to the contents, the following should be considered.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.
Material Nitrile rubber
Rate of permeability > 480 min
Glove thickness > 0.4 mm
Directive Protective gloves complying with EN 374.

Eye protection

Personal protective equipment is not normally required. However, if there is a risk of uncontrolled exposure to the contents, the following

SOLABIOL ROSE BUG KILLER

84426725

5/9

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

| | |
|---------------------------------|--|
| Skin and body protection | should be considered. Wear goggles (conforming to EN166, Field of Use = 5 or equivalent). |
| | Personal protective equipment is not normally required. However, if there is a risk of uncontrolled exposure to the contents, the following should be considered. Wear standard coveralls and Category 3 Type 5 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|-----------------------------|
| Form | Liquid |
| Colour | light yellow to light brown |
| pH | 10.2 |
| Flash point | >70 °C |
| Density | ca. 0.997 g/cm ³ |
| Partition coefficient: n-octanol/water | Ethanol: log Pow: -0.31 |
| Surface tension | 28.04 mN/m |

9.2 Other information Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No hazardous reactions when stored and handled according to prescribed instructions.

10.4 Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials Strong oxidizing agents, Strong acids
Store only in the original container.

10.6 Hazardous decomposition products No decomposition products expected under normal conditions of use.

SOLABIOL ROSE BUG KILLER

84426725

6/9

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

| | |
|----------------------------------|--|
| Acute oral toxicity | ATE (Mix) > 5,000 mg/kg Calculation method Acute toxicity estimate |
| Acute inhalation toxicity | ATE (Mix) > 20 mg/l Calculation method Acute toxicity estimate |
| Acute dermal toxicity | ATE (Mix) > 5,000 mg/kg Calculation method Acute toxicity estimate |
| Skin irritation | No skin irritation (Rabbit) |
| Eye irritation | No eye irritation (Rabbit) |
| Sensitisation | Non-sensitizing. (Guinea pig) OECD Test Guideline 406, Buehler test |

Assessment repeated dose toxicity

Ethanol did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

Ethanol was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

Assessment carcinogenicity

Ethanol : This information is not available.

Assessment toxicity to reproduction

Ethanol caused reproduction toxicity in generation studies in rats only at dose levels also toxic to the parent animals.

Assessment developmental toxicity

Ethanol caused developmental toxicity only at dose levels toxic to the dams.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

| | |
|--|--|
| Toxicity to fish | LC50 (Oncorhynchus mykiss (rainbow trout)) > 100 mg/l Exposure time: 96 h |
| Toxicity to aquatic invertebrates | EC50 (Daphnia magna (Water flea)) > 100 mg/l Exposure time: 48 h |
| Toxicity to aquatic plants | No data available |

12.2 Persistence and degradability

| | |
|-------------------------|-----------------------------------|
| Biodegradability | Ethanol: rapidly biodegradable |
|-------------------------|-----------------------------------|

SOLABIOL ROSE BUG KILLER

84426725

7/9

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

Koc Ethanol:No data available

12.3 Bioaccumulative potential

Bioaccumulation Ethanol:
Does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil Ethanol: soluble in water

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment Ethanol: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological information No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Do not empty into drains. Dispose of unused product in its container at a household waste site (civic amenity site). Contact your local council (local authority) for details.

Contaminated packaging Not completely emptied packagings should be disposed of as hazardous waste. Dispose of empty container in the dustbin. Follow advice on product label and/or leaflet.

SECTION 14: TRANSPORT INFORMATION

According to ADN/ADR/UK 'Carriage' Regulations/RID/IMDG/IATA not classified as dangerous goods.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

14.1 – 14.5 Not applicable.

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No transport in bulk according to the IBC Code.

SOLABIOL ROSE BUG KILLER

84426725

8/9

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

SECTION 15: REGULATORY INFORMATION

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

UK and Northern Ireland Regulatory References

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367)

Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716)

Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009

Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677)

EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits

Control of Pesticide Regulations 1986

Dangerous Substances and Explosive Atmospheres Regulations 2002

Waste Treatment

Environmental Protection Act 1990, Part II

Environmental Protection (Duty of Care) Regulations 1991

The Waste Management Licensing Regulations 1994 (as amended)

Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended)

Landfill Directive

Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

Water Resources Act 1991

Anti-Pollution Works Regulations 1999

Further information

WHO-classification: U (Unlikely to present acute hazard in normal use)

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION

Text of the hazard statements mentioned in Section 3

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Abbreviations and acronyms

SOLABIOL ROSE BUG KILLER

9/9

84426725

Creation date: 21 /07/2017

Revision date: 29/04/2020

Version 2 / UK

| | |
|-----------|--|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute toxicity estimate |
| CAS-Nr. | Chemical Abstracts Service number |
| Conc. | Concentration |
| EC-No. | European community number |
| ECx | Effective concentration to x % |
| EH40 WEL | Worker Exposure Limit |
| EINECS | European inventory of existing commercial substances |
| ELINCS | European list of notified chemical substances |
| EN | European Standard |
| EU | European Union |
| IATA | International Air Transport Association |
| IBC | International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code) |
| ICx | Inhibition concentration to x % |
| IMDG | International Maritime Dangerous Goods |
| LCx | Lethal concentration to x % |
| LDx | Lethal dose to x % |
| LOEC/LOEL | Lowest observed effect concentration/level |
| MARPOL | MARPOL: International Convention for the prevention of marine pollution from ships |
| N.O.S. | Not otherwise specified |
| NOEC/NOEL | No observed effect concentration/level |
| OECD | Organization for Economic Co-operation and Development |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SI | Statutory Instrument |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.