

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

1. Identification of the substance and of the company

- 1.1 Identification of the substance: FLERIANA House dust mite spray with natural neem oil extract
- 1.2 Use of the substance: Biocide (Repellent), biocidal product according Regulation (EC) No. 98/8
- 1.3 Company identification: Terra Nostra GmbH, Alemannenstr. 5, D-85290 Geisenfeld
Fon: +49-(0) 8457-9344-0 Fax: +49-(0) 8457-9344-15
- 1.4 Emergency Telephone: +49-(0) 8457-9344-0 Only available during office hours!

2. Hazards identification

- 2.1 Hazards description:
- 2.1.1 Classification according to 67/548/EEC:
- 2.1.1.1 Hazards characteristics: Highly flammable, Vapours may cause drowsiness and dizziness.
- 2.1.1.2 R-Phrases: R 11, R 67, H 225
- 2.1.2 Classification according to Regulation (EC) No 1272/2008 [CLP]
- 2.1.2.1 Hazard classes and Hazard categories: Cat. 2 (flam. liquid. 2)
- 2.1.2.2 Hazard Statements: Highly flammable.
- 2.1.2.3 Classification procedure: EU-GHS, Annex I, 2.6
- 2.1.2.4 Additional hints:
- 2.2.1 Informations pertaining to special dangers for human and environment: No additional hazards. Read safety data sheet.
- 2.2.1.1 Adverse physicochemical effects: Vapours of flammable solvents can accumulate in the gas phase of closed container, especially during heat treatment. Therefore keep away from fire and sources of ignition.
- 2.2.1.2 Adverse human health effects and symptoms: -
- 2.2.1.3 Adverse environmental effects: -
- 2.2.1.4 Other hazards: Special danger of slipping by leaking/spilling product.

3. Composition/information on ingredients

- 3.1 Substance related informations
- 3.1.1 Raw material: *Azadirachta indica L* - Dried Neem Seeds with Peels; 2-Propanol extra pure
- 3.1.2 CAS no.: 67-63-0 (2-Propanol)
84696-25-3 (Margosa extract)
- 3.1.3 EC no.: 200-661-7 (2-Propanol)
283-644-7 (Margosa extract)
- 3.1.4 Chemical name: *Margosa extract* formulation in 2-Propanol
- 3.1.5 Main ingredients: > 97 % 2-Propanol (R 36, R 67, R 11)
< 3 % Margosa extract
< 3 % Emulsifier
- 3.1.6 Additional information:
- 3.1.6.1 Classification: Full text of R-phrases: see under section 16.

4. First aid measures

- 4.1 General informations: Consult a physician if problems persist.
- 4.2 In case of inhalation: Fresh air. Consult doctor if feeling unwell.
- 4.3 In case of skin contact: Water and soap. Consult a physician if problems persist.

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

- 4.4 In case of eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. Consult a physician if problems persist.
- 4.5 In case of ingestion: Rinse mouth thoroughly with water. Do not induce vomiting. Consult a physician if problems persist.
- 4.6 Self-protection of the first aider: Overall.
- 4.7 Information to physician: Bitter plant oil may cause vomiting.

5. Fire-fighting measures

- 5.1 Suitable extinguishing media: Foam, Carbon dioxide (CO₂), Extinguishing powder
- 5.2 Extinguishing media which must not be used for safety reasons: none
- 5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: In case of fire may be liberated Carbon monoxide.
- 5.4 Special protective equipment for fire-fighters: Use suitable breathing apparatus.
- 5.5 Additional information:
- 5.5.1 Fire class: Inflammable liquid. (VbF code B)

6. Accidental release measures

- 6.1 Personal precautions: Special danger of slipping by leaking/spilling product
- 6.2 Environmental precautions: Do not allow to enter drains/surface water/ground-water.
- 6.3 Methods for cleaning up: Take up with oil-absorbing compound.
- 6.4 Additional information: Suitable material for diluting or neutralizing: Water. Ventilate affected area.

7 Handling and Storage

- 7.1 Handling:
- 7.1.1 Advices on safe handling: Avoid contact with skin and eyes. Use only in well-ventilated areas.
- 7.1.1.1 Protective measures: Avoid contact with skin and eyes.
- 7.1.1.2 Technical measures: Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
- 7.1.1.2.1 Measures to prevent aerosol and dust generation: -
- 7.1.1.2.2 Measures required to protect the environment: Do not allow to enter drains/surface water/groundwater.
- 7.1.1.3 Specific requirements or handling rules: -
- 7.1.2 Precautions against fire and explosion: Separated from explosive materials, condensed, liquefied and under pressure to stored gases, flammable firm materials, self-inflammable materials, materials with touch with water flammable Gases form, lighting active materials, organic Peroxide, non-combustible poisonous materials and materials dangerous for infection camp down. Take precautionary measures against static discharges.
- 7.1.3 Further informations:

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

7.2 Storage:

7.2.1 Technical measures and storage conditions:

Keep away from direct solar radiation and other heat sources or ignition sources. Keep closely closed and to well ventilated place. Keep container tightly closed and in a well-ventilated place. Take precautionary measures against static discharges.

7.2.2 Packaging materials:

Oleum and 2-Propanol resistant material.
Unsuitable material for container: Light metal

7.2.3 Requirements for storage rooms and vessels:

Unsuitable material for container: Light metal

7.2.4 Hints on joint storage:

Separated from explosive materials, condensed, liquefied and under pressure to stored gases, flammable firm materials, selfin-flammatory materials, materials with touch with water flammable Gases form, lighting active materials,organic Peroxide, non-combustible poisonous materials and materials dangerous for infection camp down.

7.2.5 Further information on storage conditions:

7.2.5.1 Storage temperature: +5°C - +30°C

7.2.5.2 Relative air humidity (%): No special requirements.

7.2.5.3 Storage stability: Stable without degradation

7.2.5.4 Maximum period of storage (time): 5 years

7.2.5 Storage class: 3 A

7.3 Specific uses:

7.3.1 Recommendations: Observe technical data sheet. Warehouse up to 10.000 ls of storage volume need no permission (BetrSichV).

8. **Exposure controls / Personal protection**

8.1 Exposure limit values

8.1.1 Components with occupational exposure limits rsp. biological occupational exposure limits requiring monitoring: 2-Propanol, CAS-No.67-63-0

8.1.1.1 Occupational exposure limits: MAK 200ml/m³ (500mg/m³)

8.2 Exposure controls

8.2.1 Personal protection equipment:

8.2.1.1 Respiratory protection: Respiratory protection necessary at aerosol or mist formation.

8.2.1.2 Hand protection: Liquid-tight gloves.

8.2.1.3 Eye protection: Eye glasses with side protection.

8.2.1.4 Protective clothing: Overall.

9. **Physical and chemical Properties**

9.1 General information:

9.1.1 Appearance: liquid

9.1.1.1 Physical state: liquid

9.1.1.2 Colour: light beige

9.1.2 Odour: characteristic (alcoholic)

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

9.2 Important health, safety and environmental information:

9.2.1 Safety relevant basis data:

9.2.1.1 pH value: neutral

9.2.1.2 Boiling temperature / boiling range: 82,4 °C

9.2.1.3 Vapour pressure (at 20°C): 43 hPa

9.2.1.4 Density (at 20°C): 0,78 g/cm³

9.2.1.5 Bulk density: -

9.2.1.6 Solubility:

9.2.1.6.1 Water solubility (g/l): Easily soluble.

9.2.1.6.2 Fat solubility: -

9.2.1.6.3 Soluble (g/l) in Ether at 20°C: Easily soluble.

9.2.1.7 Hydrolysis rate: -

9.2.1.8 Partition coefficient n-octanol /water (log p O/W): -

9.2.1.9 Viscosity (at 20°C): 2,2 mPa*s

9.2.2 Substance group relevant properties:

9.2.2.1 Explosives: UEG: 2% (v/v) OEG: 12% (v/v)

9.2.2.2 Flammable gases: -

9.2.2.3 Auto Ignition temperature (AIT): 425°C

9.2.2.4 Melting point/area: -89,5°C

9.3 Other information: flash point (Abel): 12°C

9.3.1 solvent content (%): 0 %

10. Stability and Reactivity

10.1 Conditions to avoid: heat (> 50°C)

10.2 Materials to avoid: Reaction with oxidizing agents (strong) and acid.

10.3 Hazardous decomposition products: none

10.4 Additional information:

11. Toxicological information

11.0 Toxicokinetics, metabolism and distribution:

11.0.1 Non-human toxicological data:

11.0.2 Human toxicological data:

11.1 Toxicological tests:

11.1.1 Acute effects:

11.1.1.1 Acute oral toxicity: LD 50 rat: > 2000 mg/kg

11.1.1.2 Acute dermal toxicity: LD 50 rat: > 2000 mg/kg

11.1.1.3 Acute inhalative toxicity: LC 50 rat: > 46.14 mg/L

11.1.2 Specific symptoms in animal studies: none

11.1.3 Irritant and corrosive effects:

11.1.3.1 Primary irritation to the skin: Non-irritant

11.1.3.2 Irritation to eyes: Non-irritant

11.1.3.3 Irritation to respiratory tract: -

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

- 11.1.4 Sensitisation:
- 11.1.4.1 In case of skin contact: not sensitising
- 11.1.4.2 In case of inhalation: -
- 11.1.5 Repeated dose toxicity (subacute, subchronic, chronic): No indications of toxic effects.
- 11.1.6 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): No indications of toxic effects.
- 11.1.7 Phototoxicity: No information.
- 11.2 Experiences made in practice: No indications of possible toxic effects.
- 11.2.1 Observations relevant to classification: No indications of possible toxic effects.
- 11.3 General remarks: Data rely on practical experience according Directive 98/8/EC.

12. Ecological information

- 12.1 Ecotoxicity
- 12.1.1 Aquatic toxicity
- 12.1.1.1 Acute fish toxicity: LC50 (rainbow trout): 11.2 mg/l
- 12.1.1.2 Acute daphnia toxicity: EC50 (big water flea): > 189 mg/l
- 12.1.1.3 Algae toxicity: EC50 (Scenedesmus sub.): > 400 mg/l
- 12.1.2 Terrestrial toxicity:
- 12.1.2.1 Useful insect toxicity: -
- 12.1.2.2 Acute earthworm toxicity: -
- 12.1.2.3 Effects on soil microorganisms:-
- 12.2 Mobility
- 12.2.1 Known or predicted distribution to environmental compartments: -
- 12.2.2 Surface tension: -
- 12.2.3 Adsorption/Desorption: -
- 12.3 Persistence and degradability:
- 12.3.1 Abiotic degradation:
- 12.3.1.1 Biodegradation: Aerobic; readily biodegradable (according to OECD criteria)
- 12.4 Bioaccumulative potential: No bioaccumulative potential.
- 12.5 Results of PBT assessment: Does not fulfill the criteria for PBT classification.
- 12.6 Other adverse effects: Data rely on practical experience according Directive 98/8/EC.

13. Disposal considerations

- 13.1 Appropriate disposal / Product: Dispose of waste according to applicable local, state, and federal regulations.
Disposal name: 2-Propanol with natural plant oil and emulsifier.
- 13.2 List of proposed waste codes/waste designations in accordance with AVV: 07 04
- 13.3 List of proposed waste codes/waste designations in accordance with EWC: 07 07 09
- 13.4 Appropriate disposal / package:
Non-contaminated packages may be recycled.
Completely emptied packings can be recycled.
Contaminated packing must be completely emptied and can be re-used following proper cleaning.

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

14. Transport information

14.1 Land transport (ADR/RID):

UN-No.: 1219

Class: 3 (F1) flammable liquid substance

Classification code:

Packing group: II

Hazard label: 3

Official transport designation: 1219 Isopropanol (Isopropylalcohol) with plant oil.

Tunnel restriction code: D1E

14.2 Inland waterway craft (ADN/ADNR):

UN-No.: 1219

Class: 3 (F1) flammable liquid substance

Classification code:

Packing group: II

Hazard label: 3

Official transport designation: 1219 Isopropanol (Isopropylalcohol) with plant oil.

Remark:

14.3 Sea transport (IMDG):

IMDG-CODE-Class: 3

UN-No.: 1219

Packing group: II

Proper Shipping Name: 1219 Isopropanol (Isopropylalcohol) with plant oil.

Marine pollutant: none

Remark:

14.4 Air transport (ICAO-TI / IATA-DGR):

Class or Division: 3

UN/ID-Nr.: 1219

Packing Group: II

Proper Shipping Name: 1219 Isopropanol (Isopropylalcohol) with plant oil.

Remark:

15. Regulatory information

15.1 EU-Legislation:

15.1.1 Chemical Safety Assessment:

15.1.2 Labelling (67/548/EEC or 1999/45/EC):

15.1.2.1 Hazard symbols and hazard statements of dangerous substances and preparations: (H 225) Flammable liquids: Category 2 (Flam. Liq. 2)

15.1.2.2 Hazard components for labelling: 2-Propanol

15.1.2.3 R-phrases: (R11) Highly flammable, (R67) Vapours may cause drowsiness and dizziness.

15.1.2.4 S-phrases: (S1/2) Keep locked up and out of reach of children. (S23) Do not breathe aerosol.
(S46) If swallowed, seek medical advice immediately and show this container or label.
(S51) Use only in well-ventilated areas.

15.1.2.5 Remark: The finished product (ready for sale) has to be marked with a palpable danger symbol.

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

15.1.2.6 Special provisions concerning the labelling of certain preparations:

Nr. 33000: Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition.

No smoking. Keep out of the reach of children.

Nr. 34000: > 97 % by mass of the contents are flammable.

Nr. 43000: Use biocides safely. Always read the label and product information before use.

Nr. 67000: Avoid heat of > 50°C.

15.1.2.7 Standard phrases for special risks for humans or the environment:

15.1.2.8 Standard phrases for safety precautions for the protection of humans or the environment:

15.1.3 Authorisations and/or restrictions on use: Biocidal product (Directive 98/8 EC)

15.1.3.1 Authorisations: According 98/8 EC in process: Biocidal product, product-type 19 (Repellent)

15.1.3.2 Restrictions on use: none

15.1.4 Other regulations (EU): Directive 98/8 EC

15.1.5 Remark:

16. Other information

16.1 Relevant R-and H-phrases (Number and full text): R11 Highly flammable.
R67 Vapours may cause drowsiness and dizziness.
H 225 Flammable liquids: Category 2 (Flam. Liq. 2)

16.2 Training instructions: -

16.3 Recommended restrictions on use: Do not spray on plants.

16.4 Further information:

16.4.1 Data sources: Data rely on practical experience in accordance to Directive 98/8 EC.

Annex to the extended Safety Data Sheet (eSDS)

Extended Safety Data Sheet
according CLP 1272/2008

Page 8/12
Date: 10-12-2014

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

1. Exposure scenario

- 1.1 Substance / User identity: FLERIANA House dust mites spray with natural neem oil extract
- 1.1.1 Downstream user identity and contact data: Private households (= general public)
- 1.2 Registration number(s): Even not assigned.
- 1.3 Identity of manufacturer/importeur and other suppliers: Terra Nostra GmbH, Alemannenstr. 5
D-85290 Geisenfeld

2. Exposure scenario identification

- 2.1 Short title of the exposure scenario:
- 2.1.1 Product type: Biocidal product (pt 19 Repellent)
- 2.1.2 Manufacture: Ready to use product.
- 2.1.3 Application: Anti Housedust mite spray
- 2.1.4 Area of use: Household
- 2.1.5 Utilisation/service life: once a year
- 2.1.6 Descriptors:
- 2.1.6.1 Sector of uses [SU]: SU 21: Private households (= general public).
- 2.1.6.2 Product categories [PC]: PC 8: Biocidal Products (e.g. Disinfectants, pest control agents).
- 2.1.6.3 Article categories [AC]: AC 40: Other articles with intend release of substances: Repellent
- 2.1.7 Remark: Anti Housedust mite spray
- 2.2. Processes and activities covered by the exposure scenario:
- 2.2.1 General description: Consumer application. Spraying on mattresses, pillows, blankets and carpets
- 2.2.2 Application methods: Spraying
- 2.2.3 Process categories [PROC]: -
- 2.2.4 Environmental release categories [ERC]: 8c
- 2.3. Operational conditions of use:
- 2.3.1 Duration and frequency of use:
- 2.3.1.1 Workers (industrial/professional): -
- 2.3.1.2 Consumers: 15 minutes once a year
- 2.3.1.3 Environment (industrial/professional): -
- 2.3.2 Physical form of substance / preparation / mixture or article:
- 2.3.2.1 Physical form of substance / preparation / mixture: liquid
- 2.3.2.1.1 Product description / chemical characterisation: Margosa extract (Plant oil) mixed in 2-Propanol
- 2.3.2.1.2 Physical form of the product: liquid
- 2.3.2.2 Surface to volume ratio of articles: -
- 2.3.3 Concentration of substance in preparation / mixture or article: 1 %
- 2.3.4 Amount used per time or activity:
- 2.3.4.1 Workers (industrial/professional): -
- 2.3.4.2 Consumers: 100 ml per year
- 2.3.4.3 Environment (industrial/professional): -
- 2.3.4.4 Environment (consumer): 0,00 ml

Annex to the extended Safety Data Sheet (eSDS)

Extended Safety Data Sheet
according CLP 1272/2008

Page 9/12
Date: 10-12-2014

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

3.0 Phase of production and application

3.1 Risk management measures related to human health:

3.1.1 Risk management measures, industrial (oral, dermal, inhalation):

3.1.1.1 Risk management measures, industrial (oral intake):

Product substance related measures: -

Product safety related measures (advice): -

Ventilation control measures: Use only in well-ventilated areas.

Good hygiene practices and housekeeping measures: -

Personal protective equipment measures: -

First-Aid measures: Rinse mouth thoroughly with water. Do not induce vomiting.

Storage measures: -

3.1.1.2 Risk management measures, industrial (dermal intake and impact):

Product substance related measures: Overall. Eye glasses with side protection. Liquid-tight gloves. Avoid contact with skin and eyes.

Product safety related measures (advice): Overall. Eye glasses with side protection. Liquid-tight gloves. Avoid contact with skin and eyes.

Ventilation control measures: Use only in well-ventilated areas.

Good hygiene practices and housekeeping measures: Avoid contact with skin and eyes.

Personal protective equipment measures: Overall. Eye glasses with side protection. Liquid-tight gloves. Avoid contact with skin and eyes.

First-Aid measures: Clean with water and soap.

Storage measures: -

3.1.1.3 Risk management measures, industrial (inhalative intake):

Product substance related measures: Respiratory protection necessary at aerosol or mist formation.

Product safety related measures (advice): Respiratory protection necessary at aerosol or mist formation.

Ventilation control measures: Use only in well-ventilated areas.

Good hygiene practices and housekeeping measures: Use only in well-ventilated areas. Keep container tightly closed.

Personal protective equipment measures: -

First-Aid measures: Ventilate affected area.

Storage measures: -

3.1.2 Risk management measures, industrial (physical hazards):

3.1.2.1 Risk management measures, professional (oral, dermal, inhalation)

3.1.2.1.1 Risk management measures, professional (oral intake):

Product substance related measures: -

Product safety related measures (advice): -

Ventilation control measures: Use only in well-ventilated areas.

Good hygiene practices and housekeeping measures: -

Personal protective equipment measures: -

First-Aid measures: Rinse mouth thoroughly with water. Do not induce vomiting.

Annex to the extended Safety Data Sheet (eSDS)

Extended Safety Data Sheet
according CLP 1272/2008

Page 10/12
Date: 10-12-2014

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

Storage measures: Keep away from direct solar radiation and other heat sources or ignition sources. Keep container tightly closed and in a well-ventilated place. Take precautionary measures against static discharges.

3.1.2.1.2 Risk management measures, professional (dermal intake and impact):

Product substance related measures: Overall. Eye glasses with side protection. Liquid-tight gloves. Avoid contact with skin and eyes.

Product safety related measures (advice): Overall. Eye glasses with side protection. Liquid-tight gloves. Avoid contact with skin and eyes.

Ventilation control measures: Use only in well-ventilated areas.

Good hygiene practices and housekeeping measures: Avoid contact with skin and eyes.

Personal protective equipment measures: Overall. Eye glasses with side protection. Liquid-tight gloves. Avoid contact with skin and eyes.

First-Aid measures: Clean with water and soap.

Storage measures: -

3.1.2.1.3 Risk management measures, professional (inhalative intake):

Product substance related measures: Respiratory protection necessary at aerosol or mist formation.

Product safety related measures (advice): Respiratory protection necessary at aerosol or mist formation.

Ventilation control measures: Use only in well-ventilated areas.

Good hygiene practices and housekeeping measures: Use only in well-ventilated areas. Keep container tightly closed.

Personal protective equipment measures: -

First-Aid measures: Ventilate affected area.

Storage measures: -

3.1.2.1.4 Risk management measures, professional (physical hazards): Keep away from sources of ignition – No smoking. Take precautionary measures against static discharges.

3.1.3 Risk management measures, consumer (oral, dermal, inhalation):

3.1.3.1 Risk management measures, consumer (oral intake): Rinse mouth thoroughly with water. Do not induce vomiting.

3.1.3.2 Risk management measures, consumer (dermal intake and impact): Clean with water and soap.

3.1.3.3 Risk management measures, consumer (inhalative intake): Ventilate affected area.

3.1.3.4 Risk management measures, consumer (physical hazards): Keep away from sources of ignition – No smoking.

3.2 Risk management measures related to the environment (RMM)

3.2.1 Risk management measures, industrial (soil/water, air)

3.2.1.1 Risk management measures, industrial (soil): Take up with oil-absorbing compound.

3.2.1.2 Risk management measures, professional (water): Use water for diluting or neutralizing.

Waste water pretreatment: No measures necessary.

Waste water Treatment: No measures necessary.

Annex to the extended Safety Data Sheet (eSDS)

Extended Safety Data Sheet
according CLP 1272/2008

Page 11/12
Date: 10-12-2014

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

- 3.2.1.3 Risk management measures, industrial (air):
Exhaust air treatment: No specific measures necessary.
- 3.2.2 Risk management measures, professional (soil/water, air)
- 3.2.2.1 Risk management measures, professional (soil): Take up with oil-absorbing compound.
- 3.2.2.2 Risk management measures, professional (water): Use water for diluting or neutralizing.
Waste water pretreatment: No measures necessary.
Waste water Treatment: No measures necessary.
- 3.2.2.3 Risk management measures, professional (air)
Exhaust air treatment: No specific measures necessary.
- 3.2.3 Risk management measures, consumer (soil/water, air)
- 3.2.3.1 Risk management measures, consumer (soil): Take up with oil-absorbing compound.
- 3.2.3.2 Risk management measures, consumer (water): Use water for diluting or neutralizing.
Waste water treatment: No measures necessary.
- 3.2.3.3 Risk management measures, consumer (air): No specific measures necessary. Ventilate affected area.
- 3.3 Waste management measures
- 3.3.1 Waste management measures (substance waste):
- 3.3.1.1 Product waste: Dispose of waste according to applicable local, state, and federal regulations.
- 3.3.1.2 Packaging waste: Completely emptied packings can be recycled.
- 3.3.2 Waste management measures (product/article waste including substance)
- 3.3.2.1 Article waste made of product: Dispose of waste according to applicable local, state, and federal regulations.
- 3.3.2.2 Article waste made of product: - Non-contaminated packages may be recycled.
- Completely emptied packings can be recycled.
- Contaminated packing must be completely emptied and can be re-used following proper cleaning.
- 3.3.3 Article waste made of product packaging: - Non-contaminated packages may be recycled.
- Completely emptied packings can be recycled.
- Contaminated packing must be completely emptied and can be re-used following proper cleaning.
- 4.0 Phase of service life**
- 4.1 Risk management measures, industrial (physical hazards)
- 4.1.1 Handling: Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
- 4.1.2 Storage: Separated from explosive materials, condensed, liquefied and under pressure gases, flammable firm materials, selfin-flammatory materials, materials with touch with water flammable Gases form, lighting active materials, organic Peroxide, non-combustible poisonous materials and materials dangerous for infection camp down.
- 4.1.3 Technical measures: Keep away from direct solar radiation and other heat sources or ignition sources. Keep closely closed and to well ventilated place. Keep container tightly closed and in a well-ventilated place.
- 4.2 Risk management measures, consumer (oral, dermal, inhalation):
- 4.2.1 Risk management measures, consumer (oral intake): Do not drink the product. Keep locked up and out of reach of children.

Annex to the extended Safety Data Sheet (eSDS)

Extended Safety Data Sheet
according CLP 1272/2008

Page 12/12
Date: 10-12-2014

Commercial name: FLERIANA HOUSE DUST MITE SPRAY

- 4.2.2 Risk management measures, consumer (dermal intake and impact): Avoid contact with skin and eyes.
Wear liquid-tight gloves.
- 4.2.3 Risk management measures, consumer (inhalative intake): Use only in well-ventilated areas.
- 4.2.4 Risk management measures, consumer (physical hazards): Keep away from sources of ignition. No smoking. Vapours of flammable solvents can accumulate in the gas phase of closed bottles, especially during heat treatment. Therefore keep away from fire and sources of ignition. Special danger of slipping by leaking/spilling product.
- 4.3 Risk management measures related to the environment (RMM):
- 4.3.1 Risk management measures, consumer (soil/water, air): Rinse with water for diluting or neutralizing.
Ventilate affected area.
- 4.3.2 Risk management measures, consumer (soil): Try to take up with oil-absorbing compound. If this is impossible, rinse with water for diluting or neutralizing.
- 4.3.3 Risk management measures, consumer (water): Do not allow to enter drains/surface water/ground-water. Suitable material for diluting or neutralizing: Water.
- 4.4 Waste management measures:
- 4.4.1 Product waste: Dispose of waste according to applicable local, state, and federal regulations. Disposal name: 2-Propanol with natural plant oil and emulsifier.
- 4.4.2 Packaging waste: - Non-contaminated packages may be recycled.
- Completely emptied packings can be recycled.
- Contaminated packing must be completely emptied and can be re-used following proper cleaning.

5.0 Information on estimated exposure and Downstream-user guidance: -

- 5.1 Exposure estimation and reference to its source
- 5.1.1 Human exposure prediction (oral, dermal, inhalative): Low risk.
- 5.1.2 Environmental exposure prediction (soil/water, air): Low risk.
- 5.2 Additional determinants of exposure
- 5.2.1 Physico-chemical properties of substance: Readily biodegradable (according to OECD criteria)