

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

euxyl® K 712 **No Change Service!**

Version 06.00 Revision Date 21.11.2014

Date of last issue 16.04.2013

Date of first issue 03.02.2003

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

1.1 Product identifier

Trade name : euxyl® K 712

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

Use of the Sub-stance/Mixture : Preservative for cosmetics & toiletries

1.3 Details of the supplier of the safety data sheet

Producer/Supplier

- La Despensa del Jabón
San Ignacio Auzunea Etxetaldea, 1 048200
Durango. España.
Tel: 944 657 841/ Fax: 941 899 765
www.ladespensadeljabon.com
tienda@ladespensadeljabon.com

1.4 Emergency telephone number

Emergency telephone number Teléfono de urgencias: Instituto Nacional de Toxicología.
Emergency telephone number Madrid. Tel: 91 562 04 20

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2

H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Irritant

R36/38: Irritating to eyes and skin.

2.2 Label elements

Labelling

Hazard pictograms



Signal word

: Warning

Hazard statements

: H315
H319

Causes skin irritation.
Causes serious eye irritation.

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| | | |
|--------------------------|----------------|--|
| Precautionary statements | : P280 | Wear protective gloves/ eye protection/ face protection. |
| | P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| | P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| | P313 | Get medical advice/ attention. |

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous solution

Hazardous components

| Chemical Name | Index-Number CAS-No. EC-No. Registration number | Classification (67/548/EEC) | Classification (REGULATION (EC) No 1272/2008) | Concentration (%) |
|-----------------------------------|---|--------------------------------|--|----------------------|
| Potassium (E,E)-hexa-2,4-dienoate | 24634-61-5 246-376-1 01- 2119950315- 41-xxxx | Xi; R36/38 | Skin Irrit. 2; H315 Eye Irrit. 2; H319 | 10 - 20 % |
| Sodium benzoate | 532-32-1 208-534-8 | Xi; R36 | Eye Irrit. 2; H319 | 25 - 35 % |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|-------------------------|--|
| If inhaled | : If symptoms persist, call a physician. |
| In case of skin contact | : Wash off with soap and water. |
| In case of eye contact | : Flush eyes with water as a precaution. |
| If swallowed | : If symptoms persist, call a physician. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|----------|-----------------------------|
| Symptoms | : No information available. |
| Risks | : No information available. |

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Water, Dry powder, Foam, Carbon dioxide (CO₂)

Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : No information available.

Specific risk from the substance or the product itself, its combustion products or evolved gases : Decomposition products, see chapter 10

5.3 Advice for firefighters

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

See chapter 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Handle and open container with care.

Advice on protection against fire and explosion : No special protective measures against fire required.

Hygiene measures : Avoid contact with clothing.

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7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Store in original container.
- Further information on storage conditions : Keep away from heat. Keep away from direct sunlight. Limited stability - see label on pack. Keep container tightly closed.

7.3 Specific end use(s)

- Specific use(s) : none

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

none

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

- Potassium (E,E)-hexa-2,4-dienoate : End Use: Workers, Exposure routes: Skin contact, Potential health effects: Long-term systemic effects, Value: 40 mg/kg
End Use: Workers, Exposure routes: Inhalation, Potential health effects: Long-term systemic effects, Value: 17,63 mg/m³
End Use: Consumers, Exposure routes: Inhalation, Potential health effects: Long-term systemic effects, Value: 52,17 mg/m³
End Use: Consumers, Exposure routes: Skin contact, Potential health effects: Long-term systemic effects, Value: 20 mg/kg
End Use: Consumers, Exposure routes: Ingestion, Potential health effects: Long-term systemic effects, Value: 2 mg/kg
End Use: Workers, Exposure routes: Inhalation, Potential health effects: Long-term local effects, Value: 26,08 mg/m³
End Use: Workers, Exposure routes: Skin contact, Potential health effects: Long-term local effects, Value: 0,17 mg/cm²
- Sodium benzoate : End Use: Consumers, Exposure routes: Ingestion, Potential health effects: Long-term systemic effects, Value: 25 mg/kg
End Use: Workers, Exposure routes: Skin contact, Potential health effects: Long-term systemic effects, Value: 34,7 mg/cm²
End Use: Consumers, Exposure routes: Skin contact, Potential health effects: Long-term systemic effects, Value: 20,8 mg/cm²
End Use: Workers, Exposure routes: Skin contact, Potential health effects: Long-term local effects, Value: 4,5 mg/cm²
End Use: Consumers, Exposure routes: Skin contact, Potential health effects: Long-term local effects, Value: 20,8 mg/cm²
End Use: Workers, Exposure routes: Inhalation, Potential health effects: Long-term systemic effects, Value: 10,4 mg/m³
End Use: Consumers, Exposure routes: Inhalation, Potential health effects: Long-term systemic effects, Value: 2,1 mg/m³
End Use: Workers, Exposure routes: Inhalation, Potential health effects: Long-term local effects, Value: 6,3 mg/m³
End Use: Consumers, Exposure routes: Inhalation, Potential health effects: Long-term local effects, Value: 1,3 mg/m³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

- Potassium (E,E)-hexa-2,4-dienoate : Water, Value: 0,48 mg/l
Soil, Value: 1,67 mg/kg
Sediment, Value: 0,173 mg/kg

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Sodium benzoate : Sewage treatment plant, Value: 10 mg/l
: Fresh water, Value: 0,13 mg/l
: Marine water, Value: 0,013 mg/l
: Intermittent use/release, Value: 0,305 mg/l
: Sewage treatment plant, Value: 10 mg/l
: Fresh water sediment, Value: 1,76 mg/kg
: Marine sediment, Value: 0,176 mg/kg

8.2 Exposure controls

Personal protective equipment

Protective measures : Avoid contact with skin and eyes.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid
Colour : yellow - brown
Odour : characteristic
Odour Threshold : not determined
Flash point : > 100 °C, ISO 2719
Ignition temperature : Not applicable
Auto-ignition temperature : not auto-flammable
Lower explosion limit : Not applicable
Upper explosion limit : Not applicable
Flammability : not auto-flammable
Explosive properties : Not explosive
Oxidizing properties : The substance or mixture is not classified as oxidizing.
pH : ca. 9,6, 20 °C, (undiluted)
Freezing point : ca. -5 °C
Boiling point/boiling range : > 100 °C,
Vapour pressure : ca. 25 hPa, 20 °C,
Relative vapour density : not determined
Density : 1,166 - 1,185 g/ml, 20 °C
Water solubility : in all proportions, 20 °C
Partition coefficient: n-octanol/water : Not applicable
Viscosity, dynamic : 2 mPa*s, Rheo WIN RS 600,
Flow time : ca. < 15 s at 20 °C, DIN 53211
Evaporation rate : not determined

9.2 Other information

Surface tension : 42 mN/m
Refractive index : 1,436 - 1,441, 20 °C

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SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored normally.

10.3 Possibility of hazardous reactions

None reasonably foreseeable.

10.4 Conditions to avoid

Protect from frost, heat and sunlight.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

None reasonably foreseeable.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Acute oral toxicity : LD50: 4200 mg/kg, Rat
Acute inhalation toxicity : LC50: > 5,15 mg/l, 4 h, OECD Test Guideline 403
Acute dermal toxicity : LD50 Dermal: > 2000 mg/kg, Rat, OECD Test Guideline 402

Sodium benzoate:

Acute oral toxicity : LD50 Oral: 4070 mg/kg, Rat
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available

Skin corrosion/irritation

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Causes skin irritation., OECD Test Guideline 404

Sodium benzoate:

No skin irritation, Rabbit

Serious eye damage/eye irritation

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Irritating to eyes.

Sodium benzoate:

Irritating to eyes., Rabbit

Respiratory or skin sensitisation

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Did not cause sensitisation on laboratory animals. Guinea pig

Sodium benzoate:

May cause sensitisation of susceptible persons.

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Germ cell mutagenicity

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Genotoxicity in vitro : negative Ames test

Genotoxicity in vivo : negative, In vivo micronucleus test, Mouse, OECD 474

Sodium benzoate:

Genotoxicity in vitro : not mutagenic Mutagenicity (Salmonella typhimurium - reverse mutation assay)

Germ cell mutagenicity- Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Rat, Oral, 3.000 mg/kg bw/day, OECD Test Guideline 416

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

Sodium benzoate:

Carcinogenicity - Assessment : Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Effects on fertility : Rat, Oral, NOAEL: 340 mg/kg, Directive 67/548/EEC, Annex V, B.31., Based on available data, the classification criteria are not met.

Effects on foetal development : Rat, Oral, NOAEL: 340 mg/kg, Directive 67/548/EEC, Annex V, B.31., Based on available data, the classification criteria are not met.

Sodium benzoate:

Reproductive toxicity - Assessment : No data available

Teratogenicity - Assessment : Did not show teratogenic effects in animal experiments.

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Repeated dose toxicity

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Rat: NOAEL: 750 mg/kg, Oral

Aspiration toxicity

No data available

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SECTION 12: Ecological information

12.1 Toxicity

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Toxicity to fish : LC50 (Brachidanio rerio): 1.250 mg/l, 96 h, OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 982 mg/l, 48 h, OECD Test Guideline 202

Sodium benzoate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l, 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l, 48 h

Toxicity to algae : IC50 (Pseudokirchneriella subcapitata (microalgae)): 24,8 mg/l, 72 h

12.2 Persistence and degradability

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Biodegradability : rapidly biodegradable OECD Test Guideline 301D

Sodium benzoate:

Biodegradability : rapidly biodegradable 84 o/o, 10 d, OECD Test Guideline 301C

12.3 Bioaccumulative potential

Product

Partition coefficient: n-octanol/water : Not applicable

Components:

Potassium (E,E)-hexa-2,4-dienoate:

Partition coefficient: n-octanol/water : log Pow: -1,72

Sodium benzoate:

|| Bioaccumulation : No bioaccumulation is to be expected (log Pow <= 4).

Partition coefficient: n-octanol/water : log Pow: -2,27

12.4 Mobility in soil

Product

Mobility : No data available

12.5 Results of PBT and vPvB assessment

Product

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product

Adsorbed organic bound halogens (AOX) : Product does not contain any organic halogens.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Dispose of as special waste in compliance with local and national regulations.
Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
- Waste key for the unused product(Group) : The waste producer itself must, in consultation with the appropriate authorities and a waste disposal company, obtain a waste code from the EWC (European Waste Catalogue)

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

For personal protection see section 8.

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Legislation on the control of major-accident hazards involving dangerous substances : Directive 96/82/EC does not apply

Volatile organic compounds : none, Directive 2010/75/EC on the limitation of emissions of volatile organic compounds

