

UNIPAK WB 2297 Flexo Premium Silver

Version 5.0

Revision Date 24.11.2022

Print Date 25.11.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name : UNIPAK WB 2297 Flexo Premium Silver
Material number : 024826HX0

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company : ECKART GmbH
Guentersthal 4
91235 Hartenstein
Telephone : +499152770
Telefax : +499152777008
E-mail address : msds.eckart@altana.com
Responsible/issuing person

1.4 Emergency telephone number**NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification**GHS Classification**

: Skin corrosion/irritation, Category 3, H316
Serious eye damage/eye irritation, Category 1, H318

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GHS-Labeling

Symbol(s)

:



Signal word

:

Danger

Hazard statements

:

H316: Causes mild skin irritation.
H318: Causes serious eye damage.

Precautionary statements

:

Prevention:
P280 Wear eye protection/ face protection.
Response:
P305 + P354 + P338 + P317 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.
P332 + P317 If skin irritation occurs: Get medical help.

Hazardous components which must be listed on the label

| | |
|---|-------------|
| Identification | CAS-No. |
| Phosphoric acid, C11-14-isoalkyl esters, C13-rich | 154518-38-4 |
| 2-(dimethylamino)-2-methylpropan-1-ol | 7005-47-2 |

SECTION 3: Composition/information on ingredients

Substance No.

:

Hazardous components

| Chemical name | CAS-No. EINECS-No. | Classification and labelling | Concentration[%] |
|---------------|-----------------------|------------------------------|------------------|
| aluminium | 7429-90-5 | Flam. Sol.;1;H228 | 10 - 20 |

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| | | | |
|---|-----------------------------|---|---------|
| | 231-072-3 | | |
| Phosphoric acid, C11-14-isoalkyl esters, C13-rich | 154518-38-4 (52933-07-0) | ;2;H315 ;1;H318 Aquatic Acute;2;H401 Aquatic Chronic;2;H411 | 1 - 2,5 |
| 2-(dimethylamino)-2-methylpropan-1-ol | 7005-47-2 230-279-6 | Flam. Liq.;3;H226 Acute Tox.;4;H302 ;2;H315 ;1;H318 | 1 - 3 |

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 the victim to fresh air.
- Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Remove to fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- If skin irritation persists, call a physician.
If on clothes, remove clothes.

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- In case of eye contact : Immediately flush eye(s) with plenty of water.
- Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Dry sand, ABC powder, Foam

Unsuitable extinguishing media : Water

High volume water jet

5.2 Special hazards arising from the substance or mixture

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Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.
Soak up with inert absorbent material (e.g. sand, silica gel,

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acid binder, universal binder, sawdust).

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Earthing of containers and apparatuses is essential. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Store in original container.

Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage : Do not store near acids. Do not store together with oxidizing and self-igniting products. Keep away from oxidizing agents

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and strongly acid or alkaline materials. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection
8.1 Control parameters
Germany:

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Update | Basis |
|---|-----------|---|------------------------|------------|-------------|
| aluminium | 7429-90-5 | AGW (Inhalable fraction) | 10 mg/m ³ | 2021-07-02 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 2;(II) | | | |
| Further information | | When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| aluminium | 7429-90-5 | AGW (Alveolate fraction) | 1,25 mg/m ³ | 2021-07-02 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 2;(II) | | | |
| Further information | | When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child | | | |
| 2,2',2''-nitrilotriethanol | 102-71-6 | AGW (Inhalable fraction) | 1 mg/m ³ | 2018-06-07 | DE TRGS 900 |
| Peak-limit: excursion factor (category) | | 1;(I) | | | |

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| | |
|---------------------|--|
| Further information | Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission). When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |
|---------------------|--|

8.2 Exposure controls

Personal protective equipment

- Eye protection : Goggles
- : Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.
- Hand protection
- Material : Solvent-resistant gloves (butyl-rubber)
- Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
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.
Recommended preventive skin protection
Skin should be washed after contact.
The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : Use suitable breathing protection if workplace concentration requires.

Environmental exposure controls

General advice : The product should not be allowed to enter drains, water courses or the soil.

: Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance : liquid

Colour : silver

Odour : characteristic

pH : 6 - 8, 100 %

Freezing point : No data available

Boiling point/boiling range : > 100 °C

Flash point : > 100 °C

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| | |
|--|---------------------|
| Bulk density | : No data available |
| Flammability (solid, gas) | : No data available |
| Auto-flammability | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapour pressure | : No data available |
| Density | : No data available |
| Solubility(ies) | |
| Water solubility | : insoluble |
| Miscibility with water | : immiscible |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Ignition temperature | : No data available |
| Thermal decomposition | : No data available |
| Viscosity, dynamic | : No data available |
| Viscosity, kinematic | : No data available |
| Flow time | : No data available |

9.2 Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

No decomposition if stored and applied as directed.

10.2 Chemical stability

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No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Contact with acids and alkalis may release hydrogen.

No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.

No data available

10.5 Incompatible materials

Materials to avoid : Acids
Bases
Oxidizing agents

10.6 Hazardous decomposition products

Other information : No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Components:****2-(dimethylamino)-2-methylpropan-1-ol :**

Acute oral toxicity : The component/mixture is moderately toxic after single ingestion.

Skin corrosion/irritation

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Product

Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation**Product**

May cause irreversible eye damage.

Respiratory or skin sensitisation

No data available

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

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Further information**Product**

No data available

SECTION 12: Ecological information**12.1 Toxicity****Components:****Phosphoric acid, C11-14-isoalkyl esters, C13-rich (154518-38-4) :**Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 6,31 mg/l
aquatic invertebrates Exposure time: 48 hToxicity to algae : EC50 (algae): 150 mg/l
Exposure time: 72 h**12.2 Persistence and degradability**

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

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No data available

12.6 Other adverse effects

Product:

Additional ecological information : No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with
chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

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Not dangerous goods

IMDG

Not dangerous goods

IATA

:

IATA

: Not permitted for transport

14.2 Proper shipping name**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

:

Not permitted for transport

14.3 Transport hazard class**ADR**

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA

: Not permitted for transport

14.4 Packing group

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ADR

Not dangerous goods

TDG

Not dangerous goods

CFR

Not dangerous goods

IMDG

Not dangerous goods

IATA**(Cargo)** : Not permitted for transport**(Passenger)** : Not permitted for transport**14.5 Environmental hazards****14.6 Special precautions for user**

Not classified as dangerous in the meaning of transport regulations.

Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

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

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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| | |
|--|--|
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | : Not applicable |
| REACH - List of substances subject to authorisation (Annex XIV) | : Not applicable |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : Not applicable |
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : |
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : Banned and/or restricted (aluminium powder (stabilised)) (Phosphoric acid, C11-14-isoalkyl esters, C13-rich) (2-(dimethylamino)-2-methylpropan-1-ol) (Alcohols, C16-18, ethoxylated) |

15.2 Chemical safety assessment

No data available

SECTION 16: Other information
Full text of H-Statements

| | |
|------|--------------------------------|
| H226 | : Flammable liquid and vapour. |
| H228 | : Flammable solid. |
| H302 | : Harmful if swallowed. |
| H315 | : Causes skin irritation. |

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H316 : Causes mild skin irritation.
H318 : Causes serious eye damage.
H401 : Toxic to aquatic life.
H411 : Toxic to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.