

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

UNIPLUS

Product no.

-

REACH registration number

Not applicable

Other means of identification

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

Relevant identified uses of the substance or mixture

Soldering

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Unipak A/S
Marktoften 3C
8464 Galten
Denmark

E-mail

sales@unipak.dk

SDS date

24-08-2015

SDS Version

1.0

1.4. Emergency telephone number

+45 8626 1177 (normal opening time)

These services are only available to health professionals.

The UK National Poisons Emergency number is 0870 600 6266

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Corr. 1B; H314

Eye Dam. 1; H318

STOT SE 3; H336

STOT SE 3; H335

Aquatic Chronic 2; H411

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

According to EC-Regulation 1907/2006 (REACH)



Signal word

Danger

Hazard statement(s)

Causes severe skin burns and eye damage. (H314)
 May cause drowsiness or dizziness. (H336)
 May cause respiratory irritation. (H335)
 Toxic to aquatic life with long lasting effects. (H411)

| | |
|----------------------------|---|
| Safety statement(s) | <p>General If medical advice is needed, have product container or label at hand. (P101). Keep out of reach of children. (P102). Read label before use. (P103).</p> <p>Prevention Response Do not breathe dust/fume/gas/mist/vapours/spray. (P260). Immediately call a POISON CENTER/doctor. (P310). IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. (P303+P361+P353). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).</p> <p>Storage Store locked up. (P405). Store in a well-ventilated place. Keep container tightly closed. (P403+P233).</p> <p>Disposal Dispose of contents/container to an approved waste disposal plant. (P501).</p> |
|----------------------------|---|

Identity of the substances primarily responsible for the major health hazards

zinc chloride

2.3. Other hazards

Additional labelling

-

Additional warnings

-

VOC

0%

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

| | |
|--|--|
| NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION: | zinc chloride CAS-no: 7646-85-7 EC-no: 231-592-0 Index-no: 030-003-00-2 <10% Acute Tox. 4, Skin. Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1 H302, H314, H400, H410 |
| NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION: | sodium cumenesulphonate CAS-no: 28348-53-0 EC-no: 248-983-7 <5% Eye Irrit. 2 H319 |
| NAME: IDENTIFICATION NOS.: CONTENT: CLP CLASSIFICATION: | ammonium chloride CAS-no: 12125-02-9 EC-no: 235-186-4 Index-no: 017-014-00-8 <1,5% Acute Tox. 4, Eye Irrit. 2 H302, H319 |

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

Other informations

ATEmix(oral) > 2000

According to EC-Regulation 1907/2006 (REACH)

Eye Cat. 1 Sum = $\text{Sum}(\text{Ci}/\text{S}(\text{G})\text{CL}) = 2,664 - 3,996$
 Skin Cat. 2 Sum = $\text{Sum}(\text{Ci}/\text{S}(\text{G})\text{CL}) = 7,992 - 11,988$
 N chronic (CAT 2) Sum = $\text{Sum}(\text{Ci}/\text{M}(\text{chronic}) \cdot 25 \cdot 0.1 \cdot 10^{\text{CATi}}) = 3,1968 - 4,7952$
 N acute (CAT 1) Sum = $\text{Sum}(\text{Ci}/\text{M}(\text{acute}) \cdot 25) = 0,31968 - 0,47952$

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the injured person into fresh air. Make sure there is always someone with the injured person. Prevent shock by keeping the injured person warm and calm. If the person stops breathing, give mouth-to-mouth resuscitation. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Contact a doctor at once.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Not applicable

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

IF exposed or concerned:
 Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

No special

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from waste material. Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of a leakage to the surroundings, contact the local environmental authorities. Consider putting up waste collecting trays/basins to prevent leakage to the surroundings.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Consider putting up waste collecting trays/basins to prevent leakage to the surroundings. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

No frost

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

ammonium chloride (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | 10 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | 20 mg/m³

zinc chloride (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): - ppm | 1 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | 2 mg/m³

DNEL / PNEC

No data available.

8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

General recommendations

Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Recommended: B, P1

Skin protection

Special work clothing should be used. When working with this product for a long period of time, use a protective suit.

Hand protection

Recommended: Natural rubber (latex) . . See the manufacturer's instructions

Eye protection

Safety eye-wear should be used when there is a likelihood of exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Form | Colour | Odour | pH | Viscosity | Density (g/cm ³) |
|-------|--------|-------|-----|-----------|------------------------------|
| Pasta | - | - | 4,4 | - | 0,9 |

Phase changes

| Melting point (°C) | Boiling point (°C) | Vapour pressure (mm Hg) |
|--------------------|--------------------|-------------------------|
| 50 | 100 | - |

Data on fire and explosion hazards

| Flashpoint (°C) | Ignition (°C) | Self ignition (°C) |
|--------------------------|----------------------|--------------------|
| - | - | - |
| Explosion limits (Vol %) | Oxidizing properties | |
| - | - | |

Solubility

| Solubility in water | n-octanol/water coefficient |
|---------------------|-----------------------------|
| Insoluble | - |

9.2. Other information

| Solubility in fat | Additional information |
|-------------------|------------------------|
| - | N/A |

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

No special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| Substance | Species | Test | Route of exposure | Result |
|---------------|---------|------|-------------------|-----------|
| zinc chloride | Rat | LD50 | Oral | 350 mg/kg |

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Tissue damaging effects: This product contains substances which are corrosive.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled.

Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

SECTION 12: Ecological information

12.1. Toxicity

| Substance | Species | Test | Test duration | Result |
|---------------|---------|-------|---------------|-------------|
| zinc chloride | Daphnia | EC50 | 48h | 33 mg/L |
| zinc chloride | Fish | EC50 | 96h | > 100 mg/kg |
| zinc chloride | Fish | ErC50 | 72h | 73 mg/L |

12.2. Persistence and degradability

| Substance | Biodegradability | Test | Result |
|--------------------|------------------|------|--------|
| No data available. | | | |

12.3. Bioaccumulative potential

| Substance | Potential bioaccumulation | LogPow | BFC |
|--------------------|---------------------------|--------|-----|
| No data available. | | | |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Waste

EWC code
06 03 13

Specific labelling

-

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

This product is covered by the conventions on dangerous goods.

14.1 – 14.4

ADR/RID

| | |
|---|------------------------|
| 14.1. UN number | 1840 |
| 14.2. UN proper shipping name | ZINC CHLORIDE SOLUTION |
| 14.3. Transport hazard class(es) | 8 |
| 14.4. Packing group | III |
| Notes | - |
| Tunnel restriction code | E |

IMDG

| | |
|-----------------------------|------------------------|
| UN-no. | 1840 |
| Proper Shipping Name | ZINC CHLORIDE SOLUTION |
| Class | 8 |
| PG* | III |
| EmS | F-A, S-B |
| MP** | Yes |

According to EC-Regulation 1907/2006 (REACH)

Hazardous constituent -

IATA/ICAO

UN-no.

Proper Shipping Name

Class

PG*

14.5. Environmental hazards

This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

Demands for specific education

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Additional information

Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H319 - Causes serious eye irritation.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

**Date of last essential change
(First cipher in SDS version)**

-

According to EC-Regulation 1907/2006 (REACH)

**Date of last minor change
(Last cipher in SDS version)**

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