

EP150-Stick-on

Revision date: 03/18/2021

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1. Identification**Product identifier**

EP150-Stick-on

UFI: 348E-UMKF-8EJP-G3M8

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

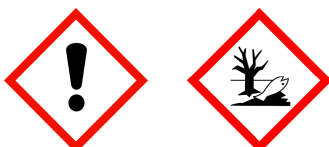
Contains: Adhesives, sealants

Details of the supplier of the safety data sheet

Company name: Hottinger Brüel & Kjaer
Street: Im Tiefen See 45
Place: D-64293 Darmstadt
Telephone: +49 (0)6151 803-0
Internet: www.hbm.com
Responsible Department: support@hbm.com

Emergency phone number: +49-30-18412-0**2. Hazard(s) identification****Classification of the chemical****Regulation (EC) No. 1272/2008**

Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitization: Skin Sens. 1
Hazardous to the aquatic environment: Aquatic Chronic 2

Label elements**Regulation (EC) No. 1272/2008****Signal word:** Warning**Pictograms:****Hazard statements**

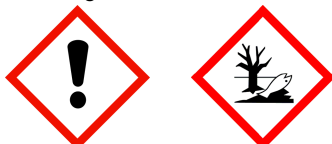
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Toxic to aquatic life with long lasting effects

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.

Special labelling of certain mixtures

Restricted to professional users.

Labelling of packages where the contents do not exceed 125 ml**Signal word:** Warning**Pictograms:**

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Hazard statements

H317

Precautionary statements

P261-P280-P302+P352

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

| CAS No | Components | Quantity |
|------------|--|-------------|
| 25068-38-6 | reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) | 75 - < 80 % |
| 80-08-0 | dapsone; 4,4'-diamino diphenyl sulfone | 15 - < 20 % |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Components | Quantity |
|------------|-----------|--|-------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 25068-38-6 | 500-033-5 | reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) | 75 - < 80 % |
| | | Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100 | |
| 80-08-0 | 201-248-4 | dapsone; 4,4'-diamino diphenyl sulfone | 15 - < 20 % |
| | | oral: ATE = 500 mg/kg | |

4. First-aid measures**Description of first aid measures****General information**

Remove affected person from the danger area and lay down. If unconscious but breathing normally, place in recovery position and seek medical advice. First aider: Pay attention to self-protection!

After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

After contact with skin

IF ON SKIN: Wash with plenty of soap and water. In case of skin reactions, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

May be harmful if swallowed. Call a doctor.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Water spray jet, Dry extinguishing powder, Foam

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Unsuitable extinguishing media

Full water jet

Specific hazards arising from the chemical

No information available.

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General measures**

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

Environmental precautions

No special environmental measures are necessary.

Methods and material for containment and cleaning up**Other information**

Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

No special technical protective measures are necessary.

Further information on handling

Wear personal protection equipment (refer to section 8). Do not empty into drains. When using do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

No special measures are necessary.

Hints on joint storage

TRGS 510

Further information on storage conditions

No special measures are necessary.

8. Exposure controls/personal protection**Control parameters**

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Additional advice on limit values

No information available.

Exposure controls**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Protective and hygiene measures

When using do not eat or drink. Do not breathe gas/fume/vapor/spray.

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Wear suitable protective clothing, gloves and eye/face protection.

Draw up and observe skin protection programme.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. EN ISO 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Thickness of the glove material: $\geq 0,7\text{mm}$

Suitable gloves type NBR (Nitrile rubber)

Breakthrough time: $>480\text{ min}$

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Used working clothes should not be worn outside the work area. Separate storage of work clothes.

Respiratory protection

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Environmental exposure controls

Do not allow to enter into surface water or drains.

9. Physical and chemical properties**Information on basic physical and chemical properties**

| | | |
|---|---------------------|----------------|
| Physical state: | solid | |
| Color: | light brown | |
| Odor: | Adhesives, sealants | |
| pH-Value: | | not determined |
| Changes in the physical state | | |
| Melting point/freezing point: | | not determined |
| Boiling point or initial boiling point and boiling range: | | not determined |
| Sublimation point: | | not determined |
| Softening point: | | not determined |
| Pour point: | | not determined |
| not determined: | | |
| Flash point: | | 252 °C |

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Sustaining combustion: No data available

Flammability

Solid/liquid: not determined

Gas: not determined

Explosive properties

not determined

Lower explosion limits: not determined

Upper explosion limits: not determined

Auto-ignition temperature: not determined

Self-ignition temperature

Solid: not determined

Gas: not determined

Decomposition temperature: not determined

Oxidizing properties

not determined

Vapor pressure: not determined

(at 20 °C)

Vapor pressure: not determined

(at 50 °C)

Density (at 20 °C): not determined

Bulk density: not determined

Water solubility: not determined

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Relative vapour density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: not determined

Other information

Solid content: not determined

No information available.

10. Stability and reactivity**Reactivity**

No information available.

Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Conditions to avoid

No information available.

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Incompatible materials

No information available.

Hazardous decomposition products

No information available.

11. Toxicological information**Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

| CAS No | Components | | | | |
|---------|---------------------------------------|---------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 80-08-0 | dapson; 4,4'-diamino diphenyl sulfone | | | | |
| | oral | ATE 500 mg/kg | | | |

Irritation and corrosivity

Causes skin irritation

Causes serious eye irritation

Sensitizing effects

May cause an allergic skin reaction (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700))

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Dapsone (CAS 80-08-0) is listed in group 3.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

12. Ecological information**Ecotoxicity**

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. Disposal considerations**Waste treatment methods**

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Disposal recommendations

Dispose of waste according to applicable legislation.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:** No dangerous good in sense of this transport regulation.**Marine transport (IMDG)****UN number:** No dangerous good in sense of this transport regulation.**UN proper shipping name:** No dangerous good in sense of this transport regulation.**Transport hazard class(es):** No dangerous good in sense of this transport regulation.**Packing group:** No dangerous good in sense of this transport regulation.**Air transport (ICAO-TI/IATA-DGR)****UN number:** No dangerous good in sense of this transport regulation.**UN proper shipping name:** No dangerous good in sense of this transport regulation.**Transport hazard class(es):** No dangerous good in sense of this transport regulation.**Packing group:** No dangerous good in sense of this transport regulation.**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

15. Regulatory information**U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)

(25068-38-6): Immediate (acute) health hazard

dapsone; 4,4'-diamino diphenyl sulfone (80-08-0): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information**Changes**

Revision date: 03/18/2021

Revision No: 1,5

This data sheet contains changes from the previous version in section(s): 3.

Classification for mixtures and used evaluation method according to GHS

| Classification | Classification procedure |
|-------------------------|--------------------------|
| Skin Irrit. 2; H315 | Calculation method |
| Eye Irrit. 2; H319 | Calculation method |
| Skin Sens. 1; H317 | Calculation method |
| Aquatic Chronic 2; H411 | Calculation method |

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Relevant H statements (full text)

| | |
|------|---|
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H411 | Toxic to aquatic life with long lasting effects |

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)