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

1.1 Product identifier

Joint sealing tape 20/5-12 84 m
Art.: 86490

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

Relevant identified uses of the substance or mixture:
No information available at present.

Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet

Berner Produkten b.v., Vogelzankweg 175, 6374 AC Landgraaf, Netherlands
Phone: +31 45 53 39 133, Fax: +31 45 53 14 588
info@berner.nl, www.berner.nl

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

Qualified person's e-mail address: Productsafety.Chemicals@berner-group.com Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:
---

Telephone number of the company in case of emergencies:
+49 (0) 221 80260 889 (09:00 – 17:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)
Not applicable
2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)
Not applicable

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

Product is combustible.

SECTION 3: Composition/information on ingredients

Sealing strip
Base:
PU-foam

3.1 Substance
n.a.

3.2 Mixture

<table>
<thead>
<tr>
<th>Registration number (REACH)</th>
<th>---</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index</td>
<td>---</td>
</tr>
<tr>
<td>EINECS, ELINCS, NLP</td>
<td>---</td>
</tr>
<tr>
<td>CAS</td>
<td>---</td>
</tr>
<tr>
<td>Classification according to Regulation (EC) 1272/2008 (CLP)</td>
<td>---</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation
n.a.

Skin contact
Wash thoroughly with soap and water.

Eye contact
Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion
n.a.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.
4.3 Indication of any immediate medical attention and special treatment needed
n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Adapt to the nature and extent of fire.
CO₂
Dry extinguisher
Foam
Water jet spray
Classification of inflammability:
B 1 (P-NDS04-246)
Unsuitable extinguishing media
n.c.

5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
Oxides of carbon
Oxides of nitrogen
Hydrocyanic acid (hydrogen cyanide)
Fume

5.3 Advice for firefighters
Protective respirator with independent air supply.
According to size of fire
Full protection, if necessary.
Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid contact with eyes.

6.2 Environmental precautions
Normally not necessary.

6.3 Methods and material for containment and cleaning up
Pick up mechanically and dispose of according to Section 13.

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling
7.1.1 General recommendations
Keep away from sources of ignition - Do not smoke.
Observe directions on label and instructions for use.

7.1.2 Notes on general hygiene measures at the workplace
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
No special measures required.
Store cool.
Protect from direct sunlight.

7.3 Specific end use(s)
No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

---

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment
General hygiene measures for the handling of chemicals are applicable.
Wash hands before breaks and at end of work.
Keep away from food, drink and animal feedingstuffs.
Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: Normally not necessary.
Skin protection - Hand protection: Normally not necessary.
Skin protection - Other: Usual protective working garments
Respiratory protection: Normally not necessary.

Thermal hazards:
If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).
Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the
information about the contents.
Selection of materials derived from glove manufacturer's indications.
Final selection of glove material must be made taking the breakthrough times, permeation rates and
degradation into account.
Selection of a suitable glove depends not only on the material but also on other quality characteristics
and varies from manufacturer to manufacturer.
In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be
tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove
manufacturer and must be observed.

8.2.3 Environmental exposure controls
No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state:</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour:</td>
<td>According to specification</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic, Slightly</td>
</tr>
<tr>
<td>Odour threshold:</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point:</td>
<td>n.a.</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower explosive limit:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper explosive limit:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour pressure:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour density (air = 1):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Density:</td>
<td>~0,100-0,150 g/cm³ (DIN 53420)</td>
</tr>
<tr>
<td>Bulk density:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility(ies):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Water solubility:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>No</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>Product is not explosive.</td>
</tr>
<tr>
<td>Oxidising properties:</td>
<td>No (B1 DIN 4102 Z-PA III 2.3018)</td>
</tr>
</tbody>
</table>

9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miscibility</td>
<td>Not determined</td>
</tr>
<tr>
<td>Fat solubility / solvent:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Conductivity:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Surface tension:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solvents content:</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
10.1 Reactivity
See also Subsection 10.2 to 10.6.
The product has not been tested.

10.2 Chemical stability
See also Subsection 10.1 to 10.6.

10.3 Possibility of hazardous reactions
See also Subsection 10.1 to 10.6.

10.4 Conditions to avoid
See also section 7.
Protect from humidity.
Effects of light as well as warmth.

10.5 Incompatible materials
See also section 7.
None known

10.6 Hazardous decomposition products
See also Subsection 10.1 to 10.5.
See also section 5.2

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Possibly more information on health effects, see Section 2.1 (classification).

<table>
<thead>
<tr>
<th>Joint sealing tape 20/5-12 84 m</th>
<th>Art.: 86490</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toxicity / effect</strong></td>
<td><strong>Endpoint</strong></td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td></td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/irritation:</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitisation:</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity:</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td></td>
</tr>
</tbody>
</table>
Aspiration hazard: n.d.a.
Symptoms: n.d.a.
Other information: Classification according to calculation procedure.

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Joint sealing tape 20/5-12 84 m
Art.: 86490

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2. Persistence and degradability:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Not biodegradable</td>
<td></td>
</tr>
<tr>
<td>12.5. Results of PBT and vPvB assessment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>12.6. Other adverse effects:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
<td></td>
</tr>
<tr>
<td>Other information:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Contains organically bound halogens, which may contribute to the AOX value in wastewater.</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations
**13.1 Waste treatment methods**

For the substance / mixture / residual amounts

EC disposal code no.: 08 04 99 wastes not otherwise specified

Recommendation:
Sewage disposal shall be discouraged.
Pay attention to local and national official regulations.
E.g. dispose at suitable refuse site.

**For contaminated packing material**

Pay attention to local and national official regulations.

Recommendation:
15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
15 01 06 mixed packaging

---

**SECTION 14: Transport information**

**General statements**

14.1. UN number: n.a.

**Transport by road/by rail (ADR/RID)**

14.2. UN proper shipping name: n.a.
14.3. Transport hazard class(es): n.a.
14.4. Packing group: n.a.
14.5. Environmental hazards: Not applicable

**Transport by sea (IMDG-code)**

14.2. UN proper shipping name: n.a.
14.3. Transport hazard class(es): n.a.
14.4. Packing group: n.a.
Marine Pollutant: n.a
14.5. Environmental hazards: Not applicable

**Transport by air (IATA)**

14.2. UN proper shipping name: n.a.
14.3. Transport hazard class(es): n.a.
14.4. Packing group: n.a.
14.5. Environmental hazards: Not applicable

**14.6. Special precautions for user**

Unless specified otherwise, general measures for safe transport must be followed.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Non-dangerous material according to Transport Regulations.
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:

n.a.
General hygiene measures for the handling of chemicals are applicable.

VOC-CH:
Not applicable

15.2 Chemical safety assessment
A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections: 1 - 16

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):
Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).
Joint sealing tape 20/5-12 84 m
Art.: 86490

Berner Produkten b.v. Berner s.a.r.l. Albert Berner SIA
Vogelzankweg 175 ZI Les Manteaux Liliju 20, Marupe, Mārupes
NL - 6374 AC Landgraaf F - 89331 Saint-Julien-du-Sault novads,
+31 45 53 39 133 (8.00h- LV-2167, Latvija
16.00h) Tel +33 38 69 94 400
+31 6 290 27 464 (16.00h- Fax +33 38 69 94 444
16.00h)

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Any abbreviations and acronyms used in this document:

AC Article Categories
acc., acc. to according, according to
ACGIH American Conference of Governmental Industrial Hygienists
ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL Acceptable Operator Exposure Level
AOX Adsorbable organic halogen compounds
approx. approximately
Art., Art. no. Article number
ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF Bioconcentration factor
BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BMGV Biological monitoring guidance value (EH40, UK)
BOD Biochemical oxygen demand
BSEF Bromine Science and Environmental Forum
bw body weight
CAS Chemical Abstracts Service
CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPACCollaborative International Pesticides Analytical Council
CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR carcinogenic, mutagenic, reproductive toxic
COD Chemical oxygen demand
CTFA Cosmetic, Toiletry, and Fragrance Association
DMEL Derived Minimum Effect Level
DNEL Derived No Effect Level
DOC Dissolved organic carbon
DT50 Dwell Time - 50% reduction of start concentration
Joint sealing tape 20/5-12 84 m
Art.: 86490

OECD Organisation for Economic Co-operation and Development
org. organic
PAH polycyclic aromatic hydrocarbon
PBT persistent, bioaccumulative and toxic
PC Chemical product category
PE Polyethylene
PNEC Predicted No Effect Concentration
POCP Photochemical ozone creation potential
ppm parts per million
PROC Process category
PTFE Polytetrafluoroethylene
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses ( = Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT Self-Accelerating Decomposition Temperature
SAR Structure Activity Relationship
SU Sector of use
SVHC Substances of Very High Concern
Tel. Telephone
ThOD Theoretical oxygen demand
TOC Total organic carbon
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
WHO World Health Organization
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are
not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.