

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

- 1.1 Product identifier

- Trade name **IP Vinyl Remover Pro**

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

- Application of the substance / the preparation Industrial / commercial use

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

H. Brunner GmbH / Spandex Group

Am Risisee 13

77855 Achern

GERMANY

Tel. 0049/7841-6850

- Informing department: Sales

- 1.4 Emergency telephone number:

Poison Control Center, Mainz

Tel. 00 49 / 61 31 / 19 240

* SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC void

- Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- 2.2 Label elements

- Labelling according to EU guidelines:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Observe the normal safety regulations when handling chemicals

- Special labelling of certain preparations:

Safety data sheet available for professional user on request.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

* SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description:

Solvent mixture.

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Dimethylglutarat

Dimethyladipat

Dimethylsuccinat

- Dangerous components:

| | | | |
|------------------|--------------------------|--------------------------------------|---------|
| CAS: 160875-66-1 | 2-Propylheptanoethoxylat | Xn R22; Xi R41 | 2.5-10% |
| Polymer | | Eye Dam. 1, H318; Acute Tox. 4, H302 | |

- Regulation (EC) No 648/2004 on detergents / Labelling for contents

| | |
|-----------------------|------|
| non-ionic surfactants | < 5% |
|-----------------------|------|

- Additional information For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****- 4.1 Description of first aid measures****- General advice:** Instantly remove any clothing soiled by the product.**- After inhalation** Supply fresh air; consult doctor in case of symptoms.**- After skin contact**

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

- After eye contact Rinse immediately opened eye for several minutes under running water. Then consult doctor.**- After swallowing** Do not induce vomiting; instantly call for medical help.**- 4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.**- Information for doctor**

Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration. Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.

- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**- 5.1 Extinguishing media****- Suitable extinguishing agents**

Use fire fighting measures that suit the environment.

Carbon dioxide, extinguishing powder, water jet or alcohol-resistant foam.

- For safety reasons unsuitable extinguishing agents Water with a full water jet.**- 5.2 Special hazards arising from the substance or mixture**

Formation of explosive air/steam mixtures likely.

Not classified as flammable but will burn. Hazardous combustion

products may include carbon monoxide.

Do not inhale explosion and combustion gases.

- 5.3 Advice for firefighters**- Protective equipment:**

See section 8.

Wear full protective suit with self-contained breathing apparatus.

- Additional information Endangered containers in the surrounding area should be cooled with a water-hose.**SECTION 6: Accidental release measures****- 6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep off unprotected persons

- 6.2 Environmental precautions:

Do not allow product to reach sewage system or water bodies.

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If large amounts are released, the authorities must be informed.

- 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

- 6.4 Reference to other sections *Danger of burning is possible*

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

The usual good standards of industrial hygiene should be maintained.

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

- Information about protection against explosions and fires: *Keep ignition sources away - Do not smoke.*

- 7.2 Conditions for safe storage, including any incompatibilities

- Storage *Keep containers tightly closed. Store in cool, dry conditions.*

- Requirements to be met by storerooms and containers: *No special requirements.*

- Information about storage in one common storage facility: *Not required.*

- Further information about storage conditions: *None.*

- 7.3 Specific end use(s) *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical systems: *No further data; see item 7.*

- 8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: *The lists that were valid during the compilation were used as basis.*

- 8.2 Exposure controls

- Personal protective equipment

- General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

- Breathing equipment: *Use breathing protection in case of insufficient ventilation.*

- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- For the permanent contact gloves made of the following materials are suitable: *Butyl rubber, BR*

- Not suitable are gloves made of the following materials: *Nitrile rubber, NBR*

- Eye protection: *Safety glasses*

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- Body protection:

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties**- 9.1 Information on basic physical and chemical properties****- General Information****- Appearance:****Form:** viscous liquid**Colour:** Colourless**- Smell:** Characteristic**- pH-value:** not applicable**- Change in condition****Melting point/Melting range:** Not determined**Boiling point/Boiling range:** 196 °C**- Flash point:** 103 °C**- Ignition temperature:** 375 °C**- Self-inflammability:** Product is not selfigniting.**- Danger of explosion:** Product is not potentially explosive**- Critical values for explosion:****Lower:** 1.2 Vol %**Upper:** 7.9 Vol %**- Vapour pressure at 20 °C:** 0.005 kPa**- Density at 20 °C** ca. 1.09 g/cm³**- Solubility in / Miscibility with****Water:** Not miscible or difficult to mix**- 9.2 Other information** No further relevant information available.*** SECTION 10: Stability and reactivity****- 10.1 Reactivity****- 10.2 Chemical stability****- Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

To avoid: warmth, flames, sparks

- 10.3 Possibility of hazardous reactions No dangerous reactions known**- 10.4 Conditions to avoid** No further relevant information available.**- 10.5 Incompatible materials:** strong oxidizing agents**- 10.6 Hazardous decomposition products:**

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

Formation of carbon monoxide and carbon dioxide in case of fire.

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- 11.1 Information on toxicological effects

- Acute toxicity:

- Primary irritant effect:

- on the skin:

Prolonged/repeated skin contact may cause defatting, dryness and other skin complaints and inflammations (dermatitis).

- on the eye: Slight irritant

- Sensitization: No sensitizing effect known.

- Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information we have to hand.

* SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity: No further relevant information available.

- 12.2 Persistence and degradability No further relevant information available.

- 12.3 Bioaccumulative potential No further relevant information available.

- 12.4 Mobility in soil No further relevant information available.

- Additional ecological information:

- General notes:

Do not allow to enter drainage system, surface or ground water

Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

- Recommendation

A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.

- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- Uncleaned packagings: Disposal must be made according to official regulations.

- Recommendation:

After complete emptying and cleaning, send to be reconditioned or recycled.

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

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* **SECTION 14: Transport information**

| | |
|--|--|
| - 14.1 UN-Number - ADR, IMDG, IATA | Void |
| - 14.2 UN proper shipping name - ADR - IMDG, IATA | Void Void |
| - 14.3 Transport hazard class(es) - ADR, IMDG, IATA - Class | Void |
| - 14.4 Packing group - ADR, IMDG, IATA | Void |
| - 14.5 Environmental hazards: - Marine pollutant: | No |
| - 14.6 Special precautions for user | Not applicable. |
| - 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| - Transport/Additional information: | Not dangerous according to the above specifications. |
| - UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Water hazard class:**
Water hazard class 1 (self assessment according to German VwVwS (Regulations for water-hazardous substances): slightly hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H302 Harmful if swallowed.
H318 Causes serious eye damage.
.....
R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.
- **Department issuing data specification sheet:** see item 1: Informing department
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organization
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

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IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

- *** Data compared to the previous version altered.**

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