

**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.**(Contd. on page 2)**GB*

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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%
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**- 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/cm<sup>3</sup>

**- 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**

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

**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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