

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

- **1.1 Product identifier**
- **Trade name** *ImagePerfect Adhesive Remover*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Cleaning agent / Cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**
Spandex Group
Aegertweg 4,
CH-8305 Dietlikon
- **Informing department:** Product safety department
- **1.4 Emergency telephone number:**
Poison Control Center, Mainz
Tel. 00 49 / 761 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.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labelling:**
alcohol ethoxylated
Quaternary C12-C14 alkyleamine
ethoxylate, chloride
- **Hazard statements**
H318 Causes serious eye damage.
- **Precautionary statements**
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

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(Contd. of page 1)

- **vPvB:** Not applicable.

* **SECTION 3: Composition/information on ingredients**

- 3.2 Mixtures

- **Description:** Mixture of the substances listed below with harmless additions (aqueous solution).

- Dangerous components:

CAS: 1569-01-3 EINECS: 216-372-4 Reg.nr.: 01-2119474443-37	1-propoxypropan-2-ol Flam. Liq. 3, H226; Eye Irrit. 2, H319	25-50%
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	10-25%
CAS: 68439-46-3 Polymer	alcohol ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	2.5-10%
CAS: 1554325-20-0 Polymer	Quaternary C12-C14 alkyleamine ethoxylate, chloride Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	< 2.5%

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

non-ionic surfactants	5 - 15%
cationic surfactants, perfumes (GERANIOL, CITRAL, Hexyl cinnam-aldehyde, LINALOOL, d-Limonene)	< 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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

- After skin contact

Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

- After eye contact Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- After swallowing

Rinse out mouth and then drink plenty of water.

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.

- 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

CO₂, extinguishing powder or water jet. Fight larger fires with 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

Thermal decomposition can lead to release of irritating gases and vapours

Can be released in case of fire:

carbon oxides (CO_x)

(Contd. on page 3)

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(Contd. of page 2)

organic decomposition products

- **5.3 Advice for firefighters:**

- **Protective equipment:**

See section 8.

Wear full protective suit with self-contained breathing apparatus.

- **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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 and keep unprotected persons away.

- **6.2 Environmental precautions:**

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

Dilute with much water.

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**

See Section 8 for information on personal protection equipment.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Keep containers tightly sealed.*

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Pay attention to general rules of internal fire prevention.

- **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:**

Observe official regulations on storage and handling of water hazardous substances

- **Information about storage in one common storage facility:**

Pay attention to regulations / technical guidelines on mixed storage of flammable liquids.

- **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:**

112-34-5 2-(2-butoxyethoxy)ethanol (10-25%)

WEL Short-term value: 101.2 mg/m³, 15 ppm

Long-term value: 67.5 mg/m³, 10 ppm

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

(Contd. on page 4)

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(Contd. of page 3)

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

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:** Not necessary if room is well-ventilated.

- **Protection of hands:**

Protective gloves.

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.

- **Eye protection:** Tightly sealed safety glasses.

- **Body protection:**

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

* **SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

Colour: Colourless

Smell: Characteristic

Odour threshold: Not determined.

pH-value at 20 °C: ca. 10

- **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 100 °C

Flash point: > 60 °C

Inflammability (solid, gaseous) Not applicable.

- **Ignition temperature:**

Decomposition temperature: Not determined.

Self-inflammability: Product is not selfigniting.

Danger of explosion: Product is not potentially explosive

- **Critical values for explosion:**

Lower: Not determined.

(Contd. on page 5)

GB

(Contd. of page 4)

Upper:	<i>Not determined.</i>
- Vapour pressure at 20 °C:	<i>23 hPa</i>
- Density at 20 °C	<i>0.974 g/cm³</i>
- Relative density	<i>Not determined.</i>
- Vapour density	<i>Not determined.</i>
- Evaporation rate	<i>Not determined.</i>
- Solubility in / Miscibility with Water:	<i>Fully miscible</i>
- Partition coefficient (n-octanol/water):	<i>Not determined.</i>
- Viscosity:	
dynamic:	<i>Not determined.</i>
kinematic:	<i>Not determined.</i>
- 9.2 Other information	<i>No further relevant information available.</i>

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.*
- **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.

* **SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** *Prolonged skin contact may cause irritation.*
- **on the eye:** *Strong irritant with the danger of severe eye injury.*
- **Sensitisation:** *No sensitizing effect known.*

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:**
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a

(Contd. on page 6)

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(Contd. of page 5)

detergent manufacturer.

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

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- 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.

- Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

- 14.1 UN-Number

- ADR, IMDG, IATA

Void

- 14.2 UN proper shipping name

- ADR, IMDG, IATA

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

MARPOL 73/78 and the IBC Code

Not applicable.

- Transport/Additional information:

Not dangerous according to the above specifications.

(Contd. on page 7)

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(Contd. of page 6)

- **UN "Model Regulation":** -

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- **Technical instructions (air):**

Class	Share in %
NK	50-100

- **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**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

- **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 Organisation

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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

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)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

- * Data compared to the previous version altered.

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