

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

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

1.1 Product identifier

Trade name **IP 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

Manufacturer/Supplier:

Eikon Ltd.

38 Port Royal Avenue

Lancaster LA1 5QP

UK

info@eikonmaterials.com

Phone: +44 (0) 1524 599 500

Informing department: Product safety department

1.4 Emergency telephone number:

Universitätsklinikum Freiburg: +49 761 19240

(Beratung in deutscher oder englischer Sprache)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS07

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash thoroughly after handling.

P280 Wear protective gloves / 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.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

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Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name IP Adhesive Remover

(Contd. of page 1)

Determination of endocrine-disrupting properties

The substance/mixture does not contain components in quantities of 0.1% or more considered to have endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

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	Alcohols C9-11, ethoxylated (≥2,5 - ≤4 EO) ⚠ Eye Irrit. 2, H319	≥2.5-<10%
CAS: 1554325-20-0 Polymer	Quaternary C12-C14 alkylaminethoxylate, chloride ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	≥1-<2.5%

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

non-ionic surfactants, cationic surfactants, perfumes ((R)-p-mentha-1,8-diene, alpha-Pinene, GERANIOL, CITRAL, LINALOOL)	<5%
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Additional information For the wording of the listed hazard 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.

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

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Trade name IP Adhesive Remover

(Contd. of page 2)

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 may release irritant gases and vapours

Can be released in case of fire:

Carbon oxides (CO_x)

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 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name IP Adhesive Remover

(Contd. of page 3)

Further information about storage conditions: None.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:
CAS: 112-34-5 2-(2-butoxyethoxy)ethanol (≥10-<25%)

WEL (Great Britain)	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
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AGW (Germany)	Long-term value: 67 mg/m ³ , 10 ppm 1.5(l);EU, DFG, Y, 11
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CAS: 102-71-6 Triethanolamine (≥2.5-<10%)

AGW (Germany)	Long-term value: 1 E mg/m ³ 1(l);DFG, Y
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DNELs

CAS: 1569-01-3 1-propoxypropan-2-ol

Oral	DNEL (population)	11 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (worker)	82.5 mg/kg bw/day (Long-term - systemic effects)
	DNEL (population)	36 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	263 mg/m ³ (Long-term - systemic effects)
	DNEL (population)	38 mg/m ³ (Long-term - systemic effects)

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	DNEL (population)	5 mg/kg bw/day (Long-term - systemic effects)
Dermal	DNEL (worker)	83 mg/kg bw/day (Long-term - systemic effects)
	DNEL (population)	50 mg/kg bw/day (Long-term - systemic effects)
Inhalative	DNEL (worker)	101.2 mg/m ³ (Acute - local effects)
		67.5 mg/m ³ (Long-term - systemic and local effects)
	DNEL (population)	60.7 mg/m ³ (Acute - local effects)
		40.5 mg/m ³ (Long-term - systemic and local effects)

PNECs

CAS: 1569-01-3 1-propoxypropan-2-ol

PNEC aqua	0.1 mg/l (fresh water) 0.01 mg/l (marine water) 4 mg/l (STP (sewage treatment plant))
PNEC sediment	0.386 mg/kg dw (fresh water) 0.039 mg/kg dw (marine water)
PNEC soil	0.018 mg/kg dw (soil)

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

PNEC aqua	1.1 mg/l (fresh water) 0.11 mg/l (marine water)
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(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name IP Adhesive Remover

(Contd. of page 4)

PNEC	200 mg/l (STP (sewage treatment plant))
PNEC	0.32 mg/kg dw (soil)
PNEC sediment	4.4 mg/kg dw (fresh water)
	0.44 mg/kg dw (marine water)

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

8.2 Exposure controls

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as 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.

Hand protection

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

Butyl rubber, BR

Nitrile rubber, NBR

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/face protection Tightly sealed safety glasses.

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

Colour:	Colourless
Smell:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	Not applicable.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name IP Adhesive Remover

(Contd. of page 5)

Lower and upper explosion limit

Lower: Not determined.

Upper: Not determined.

Flash point: > 60 °C

Decomposition temperature: Not determined.

pH at 20 °C ca. 10

pH-value:

Viscosity:

Kinematic viscosity Not determined.

dynamic: Not determined.

Solubility

Water: Fully miscible

Partition coefficient n-octanol/water (log value) Not determined.

Vapour pressure at 20 °C: 23 hPa

Density and/or relative density

Density at 20 °C 0.974 g/cm³

Relative density Not determined.

Vapour density Not determined.

9.2 Other information

Appearance:

Form: Fluid

Important information on protection of health and environment, and on safety.

Self-inflammability: Product is not selfigniting.

Explosive properties: Product is not potentially explosive

Change in condition

Evaporation rate Not determined.

Information with regard to physical hazard classes

Explosives Void

Flammable gases Void

Aerosols Void

Oxidising gases Void

Gases under pressure Void

Flammable liquids Void

Flammable solids Void

Self-reactive substances and mixtures Void

Pyrophoric liquids Void

Pyrophoric solids Void

Self-heating substances and mixtures Void

Substances and mixtures, which emit flammable gases in contact with water Void

Oxidising liquids Void

Oxidising solids Void

Organic peroxides Void

Corrosive to metals Void

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name IP Adhesive Remover

(Contd. of page 6)

Desensitised explosives

Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

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 hazard classes as defined in Regulation (EC) No 1272/2008

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

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	27,778 mg/kg
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Skin corrosion/irritation Prolonged skin contact may cause irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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

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

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties

Not all ingredients are listed

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 68439-46-3 Alcohols C9-11, ethoxylated (≥2,5 - ≤4 EO)

LC 50 / 96 h	2.4 mg/l (fish)
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(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name **IP Adhesive Remover**

(Contd. of page 7)

EC 50 / 48 h	1-10 mg/l (Daphnia)
EC 50 / 72 h	1-10 mg/l (Algae)
CAS: 1554325-20-0 Quaternary C12-C14 alkylaminethoxylate, chloride	
LC 50 / 96 h	>10-100 mg/l (fish)
EC 50 / 48 h	>1-10 mg/l (Daphnia magna)
EC 50 / 72 h	>1-10 mg/l (Algae)
12.2 Persistence and degradability	
CAS: 68439-46-3 Alcohols C9-11, ethoxylated (≥2,5 - ≤4 EO)	
Biodegradability	>60 % (OECD 301 D)
CAS: 1554325-20-0 Quaternary C12-C14 alkylaminethoxylate, chloride	
Biodegradability	>60 % (OECD 301 D)

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

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

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.

GB

(Contd. on page 9)

Safety data sheet
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Version number 6 (replaces version 501)

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Trade name **IP Adhesive Remover**

(Contd. of page 8)

SECTION 14: Transport information**14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****TSCA (Toxic Substances Control Act)**

All ingredients are listed.

Canadian Domestic Substances List (DSL)

Not all ingredients are listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Not all ingredients are listed

Chinese Chemical Inventory of Existing Chemical Substances (IECSC)

Not all ingredients are listed

Australian Inventory of Industrial Chemicals (AIIC)

Not all ingredients are listed

Korean Existing Chemical Inventory (KECI)

Not all ingredients are listed

New Zealand Inventory of Chemicals (NZIoC)

All ingredients are listed.

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name IP Adhesive Remover

(Contd. of page 9)

Taiwan Chemical Substance Inventory (TCSI)

Not all ingredients are listed

Japan - Existing Chemical Substances (ENCS)

Not all ingredients are listed

Directive 2012/18/EU

Named dangerous substances - ANNEX I (12. BlmSchV) Not all ingredients are listed
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 55

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Not all ingredients are listed

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Not all ingredients are listed

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Not all ingredients are listed

Regulation (EC) No 273/2004 on drug precursors

Not all ingredients are listed

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Not all ingredients are listed

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): 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. In accordance with Annex II of EC No 1907/2006 as applicable on the date of this safety data sheet.

Registration-Number

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.

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 6 (replaces version 501)

Revision: 05.01.2023

Trade name **IP Adhesive Remover**

(Contd. of page 10)

H319 Causes serious eye irritation.

Date of previous version: 01.12.2020

Version number of previous version: 501

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 and RCR= Estimated Exposition/DNEL)

ADR: Accord relatif au transport international 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

GB 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)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

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