

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

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

#### 1.1 Product identifier

Trade name **Induline 2K Filler COMP. A**

Article number: 3261

#### 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** Knife filler/ Surfacer

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer/Supplier:

Remmers GmbH  
Bernhard-Remmers-Str. 13  
D-49624 Lönigen / Germany  
Tel.: +49(0)5432/83-0  
Fax: +49(0)5432/3985

Remmers (UK) Limited  
Unit 4 , Lloyds Court  
Manor Royal, Crawley – West Sussex RH10 9QU  
fon +44 (0) 1293 594 010  
fax +44 (0) 1293 594 037

##### Information department:

Product Safety department: Phone: +44 (0) 1293 594 010  
Email: sales@remmers.co.ukk

#### 1.4 Emergency telephone number:

National Poisons Information Service (NPIS):  
In England and Wales: NHS 111 - dial 111  
In Scotland: NHS 24 - dial 111

24h-Transport Emergency Contact Phone Number:  
within USA and Canada: 1-800-424-9300  
outside USA and Canada: 001-703-527-3887

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Flam. Liq. 3 H226 Flammable liquid and vapour.  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
Repr. 2 H361d Suspected of damaging the unborn child.  
STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.

#### 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



GHS02 GHS07 GHS08

**Signal word** Warning

##### Hazard-determining components of labelling:

styrene

(Contd. on page 2)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

## Trade name Induline 2K Filler COMP. A

(Contd. of page 1)

maleic anhydride  
reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]

### Hazard statements

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H361d Suspected of damaging the unborn child.  
H373 May cause damage to the hearing organs through prolonged or repeated exposure.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P260 Do not breathe spray.  
P264 Wash contaminated body parts 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.  
P370+P378 In case of fire: Use CO<sub>2</sub>, sand, extinguishing powder to extinguish.

### 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:** Mixture of the substances listed below with harmless additions.

Dangerous components [% w/w]:		
CAS: 100-42-5 EINECS: 202-851-5 Index number: 601-026-00-0 Reg.nr.: 01-2119457861-32-XXXX	styrene Flam. Liq. 3, H226; Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	≥5-<10%
CAS: 25013-15-4 EINECS: 246-562-2 Reg.nr.: 01-2119622074-50-XXXX	vinyltoluene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≥2.5-<5%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥1-<2.5%
CAS: 3164-85-0 EINECS: 221-625-7	Potassium 2-ethylhexanoate Repr. 2, H361d; Eye Dam. 1, H318; Skin Irrit. 2, H315	≥0.5-<1%
EC number: 911-490-9	reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino] Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥0.5-<1%
CAS: 108-31-6 EINECS: 203-571-6 Index number: 607-096-00-9 Reg.nr.: 01-2119472428-31-XXXX	maleic anhydride Resp. Sens. 1, H334; STOT RE 1, H372; Skin Corr. 1B, H314; Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317:C ≥ 0.001 %	≥0.0015-<0.05%

**Additional information** For the wording of the listed hazard phrases refer to section 16.

(Contd. on page 3)

**Trade name Induline 2K Filler COMP. A**

(Contd. of page 2)

**\* SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.

**After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

**After skin contact**

Remove contaminated clothing.

Do not use solvents or thinners!

Wash immediately with water and soap and rinse thoroughly.

**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**After swallowing** Seek immediate medical advice.

**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**

symptomatic treatment

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

Alcohol-resistant foam

Carbon dioxide

Fire-extinguishing powder

Water mist

Sand. Do not use water.

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

**For safety reasons unsuitable extinguishing agents**

Water.

Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture**

Thick black smoke forms in fires. Inhalation of dangerous decomposition products may cause serious damage to your health.

Formation of poisonous gases during heating or in fires.

Vapours are heavier than air and spread out over the ground. Ignition over greater distances is possible.

**5.3 Advice for firefighters**

**Protective equipment:** Put on breathing apparatus.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources

Ensure adequate ventilation

Do not breathe fumes/aerosol

Put on breathing apparatus.

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**

Inform responsible authorities in case product reaches bodies of water or sewage system.

**6.3 Methods and material for containment and cleaning up:**

Contain and collect spillage with absorbent material (e.g. sand, sawdust, diatomaceous earth or vermiculite) and place in container for disposal according to local regulations.

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

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

(Contd. on page 4)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

Trade name **Induline 2K Filler COMP. A**

(Contd. of page 3)

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Prevent the formation of flammable and explosive solvent vapours in the air and avoid vapour concentrations higher than the MAK- limit values.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of aerosols.

### Information about protection against explosions and fires:

Fumes can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep breathing equipment ready.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

#### Requirements to be met by storerooms and containers:

Do not empty containers with pressure. Do not use pressure vessels! No smoking. Not for use by unauthorised persons. Containers which are opened must be carefully resealed and stored upright to prevent any leakage.

Electrical facilities must be explosion protected according to standards. Floors must be electrically conductive.

#### Information on storage in a common storage facility:

Keep away from highly acidic and alkaline materials as well as oxidizing agents.

#### Further information about storage conditions:

Do not store under 5°C.

Do not store above +30 °C.

Keep away from sources of ignition.

Keep container tightly closed.

## \* SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

<b>Components with limit values that require monitoring at the workplace:</b>	
<b>CAS: 100-42-5 styrene</b>	
WEL	Short-term value: 1080 mg/m <sup>3</sup> , 250 ppm Long-term value: 430 mg/m <sup>3</sup> , 100 ppm
<b>CAS: 141-78-6 ethyl acetate</b>	
WEL	Short-term value: 1468 mg/m <sup>3</sup> , 400 ppm Long-term value: 734 mg/m <sup>3</sup> , 200 ppm
<b>CAS: 108-31-6 maleic anhydride</b>	
WEL	Short-term value: 3 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup> Sen

**Additional information:** The lists that were valid during compilation were used as a 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 animal feed.

Immediately remove soiled, saturated clothing.

Wash hands before pauses and after work.

Store protective clothing separately.

Do not inhale gases / vapours / aerosols.

Avoid contact with eyes and skin.

The following indication regarding the personal protective equipment are to be considered as suggestions. The selection of the necessary personal protective equipment is to be evaluated by the employer depending on the types of operations and the local circumstances. If a risk assessment on-site shows that there is no risk for employees, the personal protective equipment is not required or the amount of the PPE can be adapted accordingly.

(Contd. on page 5)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

## Trade name Induline 2K Filler COMP. A

(Contd. of page 4)

### Respiratory equipment:

Filter A/P2.

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

### 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

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 determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

The exact break trough 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.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	77 °C
<b>Flammability</b>	Flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	1 Vol %
<b>Upper:</b>	7.7 Vol %
<b>Flash point:</b>	31 °C (CAS: 100-42-5 styrene)
<b>Ignition temperature:</b>	490 °C
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>Viscosity:</b>	
<b>Kinematic viscosity at 20 °C</b>	>20.5 mm <sup>2</sup> /s
<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Not miscible or difficult to mix
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	714 mbar
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1.86 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Fluid

(Contd. on page 6)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

Trade name **Induline 2K Filler COMP. A**

(Contd. of page 5)

<b>Important information on protection of health and environment, and on safety.</b>	
<b>Explosive properties:</b>	Product is not explosive. However, formation of dangerous explosive vapour/air mixtures is possible.
<b>Solvent separation test</b>	< 3 %
<b>Organic solvents:</b>	15.0 %
<b>VOC EU</b>	
<b>Solid content:</b>	84.0 %
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Flammable liquid and vapour.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	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

Exothermic reaction with strong based and strong acids.

Reacts with strong oxidising agents

**10.4 Conditions to avoid** No further relevant information available.

### 10.5 Incompatible materials:

oxidising agent

Acids

lyes

### 10.6 Hazardous decomposition products:

Carbon monoxide

Nitrogen oxides (NO<sub>x</sub>)

Carbon dioxide

smoke

## \* 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:

**CAS: 100-42-5 styrene**

Oral	LD50	5,000 mg/kg (rat)
------	------	-------------------

(Contd. on page 7)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

Trade name **Induline 2K Filler COMP. A**

(Contd. of page 6)

Inhalative	LC50/4 h	24 mg/l (rat)
------------	----------	---------------

**Skin corrosion/irritation:** Causes skin irritation.**Serious eye damage/irritation:** Causes serious eye irritation.**Sensitisation:** May cause an allergic skin reaction.**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:** Suspected of damaging the unborn child.**STOT-single exposure:** Based on available data, the classification criteria are not met.**STOT-repeated exposure:**

May cause damage to the hearing organs through prolonged or repeated exposure.

**Aspiration hazard:** Based on available data, the classification criteria are not met.**11.2 Information on other hazards**

<b>Endocrine disrupting properties</b>
None of the ingredients is listed.

**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.**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:**

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

Hazardous to drinking water even if small quantities leak into soil.

\* **SECTION 13: Disposal considerations****Recommendation**

Do not dispose of together with household garbage. Do not allow product to reach sewage system.

The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

<b>European waste catalogue</b>
08 01 11*   waste paint and varnish containing organic solvents or other hazardous substances

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

Packaging can be reused or recycled after cleaning.

\* **SECTION 14: Transport information**

<b>14.1 UN number or ID number</b>	
<b>ADR, ADN, IMDG</b>	Void
<b>IATA</b>	UN1263
<b>14.2 UN proper shipping name</b>	
<b>ADR, ADN, IMDG</b>	Void
<b>IATA</b>	PAINT

(Contd. on page 8)

# Safety data sheet

according to 1907/2006/EC, Article 31


Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

Trade name **Induline 2K Filler COMP. A**

(Contd. of page 7)

<b>14.3 Transport hazard class(es)</b>	
<b>ADR, ADN, IMDG Class</b>	Void
<b>IATA</b>	
	
<b>Class Label</b>	3 Flammable liquids. 3
<b>14.4 Packing group</b>	
<b>ADR, IMDG IATA</b>	Void III
<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	
	Not applicable.
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	
	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR Remarks:</b>	No subject to the regulations of the ADR when transported in the original container/carton according to chapter 3.4 (transport in limited quantities).
<b>IMDG Remarks:</b>	No subject to the regulations of the IMDG when transported in the original container/carton according to chapter 3.4 (transport in limited quantities).
<b>UN "Model Regulation":</b>	Void

## \* SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**Seveso category** P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**

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

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 9)



# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.07.2023

Version number 11

Revision: 10.07.2023

Trade name **Induline 2K Filler COMP. A**

(Contd. of page 8)

## SECTION 16: Other information

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

### Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH071 Corrosive to the respiratory tract.

**Classification according to Regulation (EC) No 1272/2008** Calculation method

**Department issuing data specification sheet:** Product Safety department / EHS

**Date of previous version:** 06.07.2023

### Abbreviations and acronyms:

- 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 Harmonised System of Classification and Labelling of Chemicals
- 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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- 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
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3