

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

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

- **1.1 Product identifier**
- **Trade name: Spal-Pro 2000 B ISO**
- **UFI: RF00-Q08K-600T-4669**
- **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** Two-component adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
**Manufacturer/Supplier:**  
METZGER/McGUIRE  
Postal Address:  
PO Box  
Concord, NH 03302  
U.S.A.  
Shipping address:  
807 Route 3-A  
Bogen, NH 03304  
U.S.A.  
Phone: 603-224-6122  
Freephone: 800-223-6680  
E-Mail: info@metzgermcguire.com
- **Importer:**  
Dr. Schulze GmbH  
Bollenberg 10  
D-57234 Wilnsdorf  
Germany  
Phone +49 (0) 2737/5953-0  
www.dr-schulze.de  
info@dr-schulze.de
- **Informing department:**  
info@dr-schulze.de  
Tel. +49 (0) 2737/5953-0
- **1.4 Emergency telephone number:**  
ChemTel Inc.  
(800)255-3924 (North America)  
+1 (813)248-0585 (International)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

(Contd. on page 2)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 1)

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 Carc. 2 H351 Suspected of causing cancer.  
 STOT RE 2 H373 May cause damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.  
 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.  
 STOT SE 3 H335 May cause respiratory irritation.

### · 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



GHS07 GHS08

#### · Signal word Danger

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

diphenylmethanediisocyanate, isomeres and homologues  
 Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[isocyanatobenzene]  
 methylenediphenyl diisocyanate  
 diphenylmethane-4,4'-di-isocyanate

#### · Hazard statements

H332 Harmful if inhaled.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H317 May cause an allergic skin reaction.  
 H351 Suspected of causing cancer.  
 H335 May cause respiratory irritation.  
 H373 May cause damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.

#### · Precautionary statements

P260 Do not breathe mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 3)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 2)

**Additional information:**

Please refer to further labelling elements in section 15 of this safety data sheet, if applicable.  
As from 24 August 2023 adequate training is required before industrial or professional use.  
Contains isocyanates. May produce an allergic reaction.  
Restricted to professional users.

**2.3 Other hazards**
**Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

**Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**

• **Description:** Mixture consisting of the following components.

**Dangerous components:**

CAS: 9016-87-9 NLP: 500-079-6 Reg.nr.: 01-2119457024-46-X	diphenylmethanediisocyanate, isomeres and homologues ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	25 - 50%
CAS: 112898-48-3	Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[isocyanatobenzene] ⚠ Resp. Sens. 1, H334; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	25 - 50%
CAS: 26447-40-5 EINECS: 247-714-0 Index number: 615-005-00-9 Reg.nr.: 01-2119457014-47-X	methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	10 - 25%
CAS: 101-68-8 EINECS: 202-966-0 Index number: 615-005-00-9 Reg.nr.: 01-2119457014-47-X	diphenylmethane-4,4'-di-isocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	10 - 25%

(Contd. on page 4)

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 3)

- **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 information** Instantly remove any clothing contaminated by the product.
- **After inhalation**  
In case of unconsciousness bring patient into stable side position for transport.  
In case of persistent symptoms consult doctor.  
Take affected persons into the open air and position comfortably
- **After skin contact**  
If skin irritation continues, consult a doctor.  
Instantly wash with water and soap and rinse thoroughly.  
Wash contaminated clothing before re-use.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.  
Remove contact lenses if possible.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting.
- **4.2 Most important symptoms and effects, both acute and delayed**  
Asthma attacks  
Headache  
Breathing difficulty  
Allergic reactions  
coughing  
eye irritation  
skin irritation
- **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**  
Extinguishing powder, foam 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**  
Inhalation of combustion gases may cause serious health hazards.  
During incomplete combustion carbon monoxide can be formed.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear full protective suit.  
Wear self-contained breathing apparatus.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

EU

(Contd. on page 5)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 4)

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
- **For non-emergency personnel**  
Avoid contact with the product.  
Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
- **For emergency responders**  
Put on suitable personal protective equipment.  
Ensure adequate ventilation
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
Inform respective authorities in case product reaches water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).  
Dispose of the material collected according to regulations.  
Ensure adequate ventilation.
- **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**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Avoid contact with eyes, skin and clothes.  
Do not inhale gases/vapours/aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Handling**  
Do not eat, drink or smoke while working.  
Avoid contact with the eyes and skin.  
Take off all contaminated clothing immediately.  
Wash hands during breaks and at the end of the work.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Store cool and dry in well sealed containers.
- **Information about storage in one common storage facility:**  
Keep away from strongly acidic or alkaline materials and oxidising agents.  
Keep away from food, drink and animal feeding stuffs.
- **Further information about storage conditions:** Protect from humidity and keep away from water.
- **7.3 Specific end use(s)** No further relevant information available.

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

- **8.1 Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
WEL: workplace exposure limit  
OEL: Occupational Exposure Limit

(Contd. on page 6)

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

Trade name: Spal-Pro 2000 B ISO

(Contd. from page 5)

**9016-87-9 diphenylmethanediisocyanate, isomeres and homologues**

WEL (Great Britain)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
---------------------	---

**101-68-8 diphenylmethane-4,4'-di-isocyanate**

WEL (Great Britain)	Short-term value: 0.07 mg/m <sup>3</sup> Long-term value: 0.02 mg/m <sup>3</sup> Sen; as -NCO
---------------------	---

· **DNELs****9016-87-9 diphenylmethanediisocyanate, isomeres and homologues**

Inhalative	DNEL (worker, short-term, local)	0.1 mg/m <sup>3</sup> (human)
	DNEL (worker, long-term, local)	0.05 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, local)	0.05 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, local)	0.025 mg/m <sup>3</sup> (human)

**26447-40-5 methylenediphenyl diisocyanate**

Inhalative	DNEL (worker, short-term, local)	0.1 mg/m <sup>3</sup> (human)
	DNEL (worker, long-term, local)	0.05 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, local)	0.05 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, local)	0.025 mg/m <sup>3</sup> (human)

**101-68-8 diphenylmethane-4,4'-di-isocyanate**

Inhalative	DNEL (worker, short-term, local)	0.1 mg/m <sup>3</sup> (human)
	DNEL (worker, long-term, local)	0.05 mg/m <sup>3</sup> (human)
	DNEL (consumer, short-term, local)	0.05 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, local)	0.025 mg/m <sup>3</sup> (human)

· **PNECs****9016-87-9 diphenylmethanediisocyanate, isomeres and homologues**

PNEC aqua (freshwater)	1 mg/L (.)
PNEC aqua (marine water)	0.1 mg/L (.)
PNEC STP - Sewage Treatment Plant	1 mg/L (.)
PNEC soil	1 mg/kg soil dw (.)

**26447-40-5 methylenediphenyl diisocyanate**

PNEC aqua (freshwater)	1 mg/L (.)
PNEC aqua (marine water)	0.1 mg/L (.)
PNEC STP - Sewage Treatment Plant	1 mg/L (.)
PNEC soil	1 mg/kg soil dw (.)
PNEC aqua (intermittent releases)	10 mg/L (.)

**101-68-8 diphenylmethane-4,4'-di-isocyanate**

PNEC aqua (freshwater)	0.0037 mg/L (.)
PNEC aqua (marine water)	0.00037 mg/L (.)
PNEC soil	1 mg/kg soil dw (.)
PNEC sediment (freshwater)	11.7 mg/kg sedim. dw (.)
PNEC sediment (marine water)	1.17 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	0.037 mg/L (.)

(Contd. on page 7)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 6)

- **Ingredients with biological limit values:**

- 101-68-8 diphenylmethane-4,4'-di-isocyanate**

BMGV (Great Britain)	1 µmol creatinine/mol
	Medium: urine
	Sampling time: At the end of the period od exposure
	Parameter: isocyanate-derived diamine

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

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

filter A/P.

- **Hand protection**



Protective gloves.

Only use chemical-protective gloves with CE-labelling of category III (EN 374).

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:**

Nitrile rubber, NBR

In case of a layer thickness of 0.4 mm the penetration time is longer than 480 minutes.

- **Eye/face protection**



Tightly sealed safety glasses.

- **Body protection:** Wear suitable protective clothing.

### SECTION 9: Physical and chemical properties

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

- **General Information**

- **Physical state**

Liquid

- **Colour:**

Amber coloured

- **Odour:**

fusty

- **Odour threshold:**

Not determined.

(Contd. on page 8)

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

Trade name: Spal-Pro 2000 B ISO

(Contd. from page 7)

· <b>Melting point/freezing point:</b>	Not determined
· <b>Boiling point or initial boiling point and boiling range</b>	> 300 °C
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	> 93.3 °C (closed cup)
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Decomposition temperature:</b>	Not determined.
· <b>SADT</b>	
· <b>pH</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>dynamic at 40 °C:</b>	550 cP
· <b>Solubility</b>	
· <b>Water:</b>	Insoluble
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density</b>	Not determined
· <b>Relative density at 40 °C</b>	1.14
· <b>Vapour density</b>	Not determined.
· <b>Particle characteristics</b>	No further details.

· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive.
· <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>	Void
· <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

(Contd. on page 9)

EU

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

Trade name: Spal-Pro 2000 B ISO

(Contd. from page 8)

· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	No statement can be made on this point due to a lack of studies on the product.
· <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** No dangerous reactions known
- **10.4 Conditions to avoid**  
Heat.  
Protect from moisture.
- **10.5 Incompatible materials:**  
Amines  
acid  
Strong bases  
Oxidizing agents.
- **10.6 Hazardous decomposition products:**  
None in case of intended use and storage in compliance with instructions.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if inhaled.

- **LD/LC50 values that are relevant for classification:**

#### ATE (Acute Toxicity Estimates)

Inhalative	LC50	0.68 mg/l/4h
------------	------	--------------

#### 9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

Oral	LDL0	> 2,000 mg/kg (Rat)
Dermal	LD50	> 9,400 mg/kg (rabbit) (OECD 402)
Inhalative	LC50	0.49 mg/l/4h (Rat) (OECD 403)

#### 26447-40-5 methylenediphenyl diisocyanate

Dermal	LD50	10,000 mg/kg (rabbit)
Inhalative	LC50	0.4 mg/l/4h (Rat) (OECD 403)

#### 101-68-8 diphenylmethane-4,4'-di-isocyanate

Oral	LDL0	> 2,000 mg/kg (Rat)
------	------	---------------------

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

(Contd. on page 10)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 9)

- **Carcinogenicity** Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure**  
May cause damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

· <b>Repeated dose toxicity</b>		
<b>9016-87-9 diphenylmethanediisocyanate, isomeres and homologues</b>		
Inhalative	NOAEC (2y)	0.2 mg/m <sup>3</sup> (Rat) (OECD 453)

- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**

Carc. 2

- **11.2 Information on other hazards**

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

## SECTION 12: Ecological information

- **12.1 Toxicity**

· <b>Aquatic toxicity:</b>		
<b>9016-87-9 diphenylmethanediisocyanate, isomeres and homologues</b>		
EC50 (static)	12,937 mg/l/24h (Daphnia magna) (OECD 202)	
EC0	> 3,000 mg/l/96h (Oryzias latipes) (OECD 203)	

<b>101-68-8 diphenylmethane-4,4'-di-isocyanate</b>		
EC50 (static)	> 1,000 mg/l/24h (Daphnia magna) (OECD 202)	
EC50 (static)	9 mg/l/48h (Daphnia magna) (OECD 202)	
EC50 (static)	> 100 mg/l/72h (Desmodosmus subspicatus) (OECD 201)	
LC0 (static)	> 100 mg/l/96h (Danio rerio) (OECD 203)	

- **12.2 Persistence and degradability** No further relevant information available.

- **Other information:** There are no data available about the preparation.

- **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** No further relevant information available.

· <b>Behaviour in sewage processing plants:</b>		
<b>9016-87-9 diphenylmethanediisocyanate, isomeres and homologues</b>		
EC50 (static)	> 100 mg/l/3h (activated sludge) (OECD 209)	

(Contd. on page 11)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 10)

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

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

The waste code numbers mentioned are recommendations based on the probable use of the product.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 15*	aqueous liquid waste containing adhesives or sealants containing organic solvents or other hazardous substances
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP7	Carcinogenic
HP13	Sensitising

- **Uncleaned packagings:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be used for recycling.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

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

### SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR/RID, IMDG, IATA**

Void

- **14.2 UN proper shipping name**

- **ADR/RID, IMDG, IATA**

Void

- **14.3 Transport hazard class(es)**

- **ADR/RID, ADN, IMDG, IATA**

- **Class**

Void

(Contd. on page 12)

**Safety data sheet**  
according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

Trade name: Spal-Pro 2000 B ISO

(Contd. from page 11)

· <b>14.4 Packing group</b> · <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <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>	Not dangerous according to the above specifications.
· <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.

· **REGULATION (EC) No 1907/2006 ANNEX XVII**

Taking into account the intended use as specified in section 1, the relevant entries from Annex XVII are carried out.

Observe the restriction conditions of Annex XVII to Regulation No. 1907/2006 No. 56 for methyl diphenyl diisocyanate (MDI):

1. Shall not be placed on the market after 27 December 2010, as a constituent of mixtures in concentrations equal to or greater than 0,1 % by weight of MDI for supply to the general public, unless suppliers shall ensure before the placing on the market that the packaging:
  - (a) contains protective gloves which comply with the requirements of Council Directive 89/686/ EEC;
  - (b) is marked visibly, legibly and indelibly as follows, and without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures:
    - '- Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
    - Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
    - This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.'

2. By way of derogation, paragraph 1(a) shall not apply to hot melt adhesives.

Respect restrictions according to annex XVII of regulation 1907/2006 no. 74 for Diisocyanates:

1. Shall not be used as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 August 2023, unless:

- (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or
- (b) the employer or self-employed ensures that industrial or professional user(s) have successfully completed training on the safe use of diisocyanates prior to the use of the substance(s) or mixture(s).

2. Shall not be placed on the market as substances on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) after 24 February 2022, unless:

- (a) the concentration of diisocyanates individually and in combination is less than 0,1 % by weight, or
- (b) the supplier ensures that the recipient of the substance(s) or mixture(s) is provided with information on the requirements referred to in point (b) of paragraph 1 and the following statement is placed on the packaging, in a manner that is visibly distinct from the rest of the label information: 'As from 24 August 2023 adequate training is required before industrial or professional use'.

(Contd. on page 13)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 12)

3. For the purpose of this entry 'industrial and professional user(s)' means any worker or self-employed worker handling diisocyanates on their own, as a constituent in other substances or in mixtures for industrial and professional use(s) or supervising these tasks.

Conditions of restriction: 56, 56a, 74

· **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.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· **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.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

This data sheet takes into account the labelling requirements of Regulation (EU) 2024/197 adapting Regulation (EC) No 1272/2008 (21st ATP of the CLP Regulation).

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

EUH204 Contains isocyanates. May produce an allergic reaction.

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

(Contd. on page 14)

EU

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 10.06.2025

Version number 1

Revision: 31.05.2025

**Trade name: Spal-Pro 2000 B ISO**

(Contd. from page 13)

· **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:  
 DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
 phone: (+49) 511 42079 - 0, reach@dekra.com.

© DEKRA Assurance Services GmbH. Changing this documents is subject to explicit acceptance by DEKRA Assurance Services GmbH.

· **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)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 ATE: Acute toxicity estimate values  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 Resp. Sens. 1: Respiratory sensitisation – Category 1  
 Skin Sens. 1: Skin sensitisation – Category 1  
 Carc. 2: Carcinogenicity – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

-EU-