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## Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### 1.1. Product identifier:

Trade name: APP R STOP Spray - Anti-corrosion agent

Trade code: 021101

UFI: 4908-YMUM-V106-NRU8

### 1.2. Relevant identified uses of the substance/mixture and uses advised against: Anti-corrosion preparation

Uses advised against: Other

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

APP Sp. z o. o.

Ul. Przemysłowa 10, 62 – 300 Września

Tel. +48 (61) 437 00 00

Fax: +48 (61) 437 91 37

Email: [app@app.com.pl](mailto:app@app.com.pl)

Website: [www.app.com.pl](http://www.app.com.pl)

Current safety data and technical information are available on the website.

Person responsible for the product: Product Management Department, [dzp@app.com.pl](mailto:dzp@app.com.pl)

### 1.4. Emergency telephone number:

+48 (61) 437 00 00 (between 8 a.m. and 4 p.m.)

Date of preparation of the card: 17 April 2025

## Section 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance/mixture:

Classification according to Table 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council (GHS Regulation) and based on data provided by the manufacturer:



GHS02



GHS05

#### Hazard

FlamAerosol1: H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated

EyeDam1: H318 Causes serious eye damage.

### 2.2. Labelling elements:

#### Contains:

2-methylpropan-1-ol;

3-(2,3-epoxypropoxy)propyl] trimethoxysilane

Signal word: Danger GHS

#### pictograms:



GHS02



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GHS02



GHS05

**Hazard statements:**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated. H318 Causes serious eye damage.

**Precautionary statements:**

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use.

P410+ P412 Protect from sunlight. Do not expose to temperatures above P310 Immediately contact a POISON CENTRE/doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of container and its contents in accordance with local, regional, national or international regulations.

**2.3. Other hazards:**

UN: 1950

VOC (2004/42/EC, IIc: 840) contains less than 840 g/l VOC

No information available on compliance with PBT or vPvB criteria in accordance with Annex XIII of Regulation 1907/2006 (REACH). No tests have been conducted.

No information on compliance with PBT or vPvB criteria in accordance with Annex XIII of Regulation 1907/2006 (REACH). No tests have been conducted.

No information on substances with endocrine-disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 191 or Commission Regulation (EU) 2018/605 192 .

**Section 3. COMPOSITION/INFORMATION ON INGREDIENTS**


**3.1. Substances:**

Not applicable.

**3.2. Mixtures:**

*The classification of the substances contained in the product is given in accordance with Table 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council (GHS Regulation) and based on data provided by the manufacturer.*

Name of hazardous substance	Concentration range of concentrations	CAS number	Index number	Number EC	Hazard symbols Hazard symbols
Dimethyl ether REACH: 01-2119472128-37	25-50%	115-10-6	603-019-00-8	204-065-8	GHS02; GHS04 Hazard Flammable gas 1: H220 Flammable liquid 1: H224 Pressurised gas: H280
Ethanol REACH Reg. No.: 01-2119457610-43	25-50	64-17-5	603-002-00-5	200-578-6	GHS02; GHS07 Hazard FlamLiq2: H225 EyeIrrit2: H319 Specific concentration limit: H319≥50%

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<b>2-methylpropan-1-ol;</b> REACH: 01-2119484609-23	2.5-&lt;10%	78-83-1	603-108-00-1	201-148-0	<b>GHS02; GHS05; GHS07 Flammable Liquid 3: H226 STOT SE 3: H335 Skin Irrit. 2: H315 Eye Dam. 1: H318 STOT SE 3: H336</b>
<b>1-methoxypropan-2-ol</b> REACH: 01-2119457435-35	2.5-&lt;10%	107-98-2	603-064-00-3	203-539-1	<b>GHS02; GHS07 Flam.Liq.3: H226 STOTSE3: H336</b>
<b>Xylene</b> REACH: 01-2119488216-32	1-&lt;2.5%	1330-20-7	601-022-00-9	215-535-7	<b>GHS02; GHS07; GHS08 Flam. Liq.3: H226 AspTox1: H304 STOT RE2: H373 AcuteTox4: H302 Acute Tox.4: H332 SkinIrrit2: H315 EyeIrrit2: H319</b>
<b>Butyl acetate</b> REACH: 01-2119485493-29	1-&lt;2.5%	123-86-4	607-025-00-1	204-658-1	<b>GHS02; GHS07 Flam.Liq.3: H226 STOT SE3: H336 EUH066</b>
<b>3-(2,3- epoxypropoxy)propyl] trimethoxysilane</b> REACH: 01-2119513212-58	1-&lt;2.5%	2530-83-8	-	219-784-2	<b>GHS05; EyeDam1: H318 AquaticChronic3: H412</b>
<b>Butan-2-one</b> REACH 01-2119457290-43	&lt;1%	78-93-3	606-002-00-3	201-159-0	<b>GHS02; GHS07 FlamLiq2: H225 EyeIrrit2: H319 STOT SE3: H336 EUH066</b>

The wording of the phrases used – see p. 16.


#### Section 4. FIRST AID MEASURES

##### 4.1. Description of first aid measures:

4.1.1 First aid guidelines according to relevant routes of exposure:

Show the Safety Data Sheet to the doctor providing assistance. In case of exposure to vapours and aerosols of the product, move the affected person to a well-ventilated area – seek medical assistance.

- a) Respiratory tract: immediately move the affected person to a well-ventilated area; place the affected person in a semi-recumbent position, loosen their clothing, ensure that there are no objects or secretions in the affected person's mouth that could impede breathing; if the affected person is not breathing, perform artificial respiration; seek medical assistance immediately.

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b) Skin: remove contaminated clothing; wash contaminated skin with plenty of soap and water; do not use any solvents or thinners to wash the skin; apply a moisturising cream to the cleansed skin; if skin irritation occurs, consult a doctor.

c) Eyes: rinse contaminated eyes with your eyelids open under a steady stream of running water for 10 to 15 minutes; avoid strong water jets, which may damage the cornea; if burning or irritation persists, consult a doctor. Do not use any eye wash or ointment before consulting a doctor. If the affected person wears contact lenses, remove them if possible. Seek medical attention if eye irritation occurs.

d) Gastrointestinal tract: rinse mouth with plenty of running water; do not induce vomiting; consult a doctor immediately – show the doctor the Safety Data Sheet or Label.

4.1.2. Other:

None.

#### **4.2. Most important acute and delayed symptoms and effects of exposure:**

Acute symptoms:

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

Contains epoxy components. May cause an allergic reaction. Delayed symptoms:

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

Contains epoxy components. May cause an allergic reaction.

#### **4.3. Indications for any immediate medical attention and special treatment of the affected person:**

If a significant amount of the product has been ingested, consult a doctor.

### **Section 5. FIRE-FIGHTING MEASURES**

#### **5.1. Extinguishing media:**

a) Recommended extinguishing media: Water spray, powder extinguishers, alcohol-resistant foam.

b) Unsuitable extinguishing media: Avoid strong water jets, which may spread the fire.

#### **5.2. Special hazards arising from the substance/mixture:**

Vapours of the product form flammable and explosive mixtures with air. Vapours may travel to the source of ignition

and return in the form of a flame. Heating, sparks or contact with fire may cause ignition. Emits toxic gases in fire conditions. Keep away from sources of ignition - no smoking during spraying. Keep away from children. Without sufficient ventilation, explosive mixtures may form.

#### **5.3. Information for fire-fighters:**

Wear self-contained breathing apparatus and suitable protective clothing.

### **Section 6. ACCIDENTAL RELEASE MEASURES**

***Caution: Explosion hazard area - vapours of the preparation form flammable and explosive mixtures with air.***

#### **6.1. Individual precautions, protective equipment and emergency procedures:**

6.1.1. For non-emergency personnel:

- when removing the material, wear protective clothing, protective gloves, protective goggles and a gas mask

6.1.2. For emergency responders:

- When removing, avoid the formation and inhalation of product vapours and aerosols.

- wear well-fitting and close-fitting safety goggles, protective gloves and protective clothing

#### **6.2. Environmental precautions:**

- in the event of large quantities being released into water or soil, notify the relevant authorities of the incident

#### **6.3. Methods and materials for preventing the spread of contamination and for removing contamination:**

6.3.1. Recommendations for preventing the spread of spillage:

- store and transport in sealed containers

- remove the product immediately

- do not allow the product to enter the water or drainage system

- rinse the area after removing the product and equipment that has come into contact with the product with water

6.3.2. Recommendations for spill clean-up:

- absorb with non-flammable absorbent material (e.g. diatomaceous earth)

- collect the absorbent material in a clearly marked, sealable container


- eliminate all possible sources of ignition, do not smoke

6.3.3. Other information:

None

#### **6.4. References to other sections:**

See information in sections 8 and 13.

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## Section 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling:

#### 7.1.1. General recommendations:

- avoid electrical and electrostatic discharges
- do not allow concentrations of product vapours in the air to form which may be explosive when mixed with air, or concentrations exceeding the occupational exposure limits
- ensure easy access to fire extinguishing agents and equipment necessary for removing spills substances
- follow the general rules of health and safety when working with chemicals; strictly follow the established procedures; when working with the product, follow the general health and safety regulations contained in the Regulation of the Minister of Labour and Social Policy of 30 December 2004 (Journal of Laws No. 11 of 2005, item 86); follow the recommendations contained in the instructions provided by the manufacturer
- do not allow contamination of eyes, skin and clothing
- avoid prolonged and repeated exposure

#### 7.1.2. Occupational hygiene advice:

- do not eat or drink during use
- do not smoke while working with the product
- avoid creating and inhaling product vapours
- wear appropriate work clothing (protective clothing) and protective gloves (rubber or PVC) when working with the product
- an eye wash station must be available at the workplace
- observe personal hygiene rules
- Do not eat, drink or smoke while working with the product, except in designated areas. Wash your hands before breaks and after finishing work; apply hand cream if necessary.
- Work in well-ventilated areas.

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

- Store the product in cool, dry and well-ventilated areas.
- do not store near food/feed products
- packaging should be sealed and properly labelled
- for safety reasons, it is best to store the product in its original packaging
- protect packaging from mechanical damage

### 7.3. Specific end uses:

None.

## Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

### 8.1. Control parameters:


#### 8.1.1. Maximum permissible concentrations in the working environment:

According to the Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the working environment (Journal of Laws 2018, item 1286)

Dimethyl ether:	NDS: 1000 mg/m <sup>3</sup>	NDSCh: not established
Butyl acetate:	NDS: 240 mg/m <sup>3</sup>	NDSCh: 720 mg/m <sup>3</sup>
Xylenes:	NDS: 100 mg/m <sup>3</sup>	TWA: 200 mg/m <sup>3</sup>
Butyl alcohol:	NDS: 50 mg/m <sup>3</sup>	NDSCh: 150 mg/m <sup>3</sup>
Ethanol:	NDS: 1900 mg/m <sup>3</sup>	NDSCh: none
Butyl alcohol:	NDS: 50 mg/m <sup>3</sup>	NDSCh: 150 mg/m <sup>3</sup>
Butan-2-one:	NDS: 200 mg/m <sup>3</sup>	NDSCh: 950 mg/m <sup>3</sup>

#### 8.1.2. Recommended monitoring procedures:

- PN-89/Z-01001/06. Air purity protection. Names, terms and units. Terminology relating to air quality testing in the workplace.
- PN-89/Z-04008/07. Air purity protection. Sampling. Rules for air sampling in the workplace and interpretation of results.
- PN-89/Z-04023 sheet 02 Air purity protection. Testing the content (in mixtures) of harmful substances emitted from nitrocellulose paint products. Determination of acetone, alcohols: ethyl, n-butyl, isobutyl, ethoxyethyl, butoxyethyl; acetates: ethyl, n-butyl, ethoxyethyl, toluene and xylene at workstations using gas chromatography.
- PN-89/Z-04023/02. Air purity protection. Testing the content (in mixtures) of harmful substances
- PN-78/Z-04116/01 Air purity protection. Testing for xylene content. Determination of xylene at workstations using gas chromatography with sample enrichment.
- PN-68/Z-04051 Determination of ethyl acetate and butyl acetate in air.
- PN-78/Z-04119 Air purity protection. Testing for acetic acid esters. Determination of methyl, ethyl, propyl, butyl and amyl acetates at workplaces using gas chromatography with sample enrichment.

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- PN-85/Z-04140/02. Air purity protection. Testing for ethyl alcohol content. Determination of ethyl alcohol at workplaces using gas chromatography.
- PN-86/Z-04155 sheet 02 Air purity protection. Testing for butyl alcohol content. Determination of isobutyl and n-butyl alcohol at workplaces using gas chromatography.

### 8.1.3. Maximum permissible concentration in biological material (DSB):

Xylene:

- substance determined: methyl hippuric acid
- permissible concentration in biological material (DSB): 1.4 g/l in urine

### 8.1.4. DNEL and PNEC values:

No DNEL or PNEC values have been determined for this substance.

### 8.2. Exposure control:

#### 8.2.1. Appropriate engineering controls:

Medical examinations of employees and tests and measurements of harmful factors shall be carried out in accordance with applicable regulations.

#### 8.2.2. Personal protective equipment:

- Eye or face protection: safety glasses with side shields
- Skin protection: protective gloves
- Respiratory protection: effective ventilation

## Section 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties:

#### Physical state

aerosol

#### Colour

as indicated on the label

#### Odour

characteristic

#### Melting/freezing point

No data

#### Boiling point or initial boiling point and boiling range

24.5°C

#### Flammability of materials

No data available

#### Lower and upper explosion limits

2.6–18.6

#### Flash point

<0°C

#### Auto-ignition temperature

235°C

#### Decomposition temperature

No data

#### pH

No data

#### Kinematic viscosity

>20.5 cSt

#### Solubility

No data

#### n-octanol/water partition coefficient (log value)

No data

#### Vapour pressure 5200 hPa

(20°C)

#### Density or relative density

0.849 g/cm<sup>3</sup>(20°C)

#### Relative vapour density:

No data available

#### Molecular characteristics

Not applicable


### 9.2. Other information:

#### Information on physical hazard classes

No data

#### Other safety properties

VOC: <657 g/l

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## Section 10. STABILITY AND REACTIVITY

### 10.1. Reactivity:

The product is not reactive.

### 10.2. Chemical stability:

The product is chemically stable.

### 10.3. Possibility of hazardous reactions:

None known.

### 10.4. Conditions to avoid:

High temperature. Sources of ignition, sources of heat, sources of sparks.

### 10.5. Incompatible materials:

- strong oxidisers
- concentrated acids

### 10.6. Hazardous decomposition products:

- carbon oxides
- toxic gases and fumes

## Section 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes defined in Regulation (EC) No 1272/2008

#### a) **Acute toxicity**

No data available.

The mixture is not classified as hazardous in this category.

#### b) **Skin corrosion/irritation**

No data available.

The mixture is not classified as hazardous in this class.

#### c) **Serious eye damage/eye irritation**

Irritating to eyes.

#### d) **Respiratory or skin sensitisation**

Contains epoxy components. May cause an allergic reaction. May cause an allergic skin reaction.

#### e) **Mutagenic effects**

No data available.

The mixture is not classified as hazardous in this category.

#### f) **Carcinogenic effects**

No data available.

The mixture is not classified as hazardous in this category.

#### g) **Reproductive toxicity**

No data available.

The mixture is not classified as hazardous in this category.

#### h) **Target organ toxicity – single exposure**

May cause drowsiness or dizziness.

#### i) **Toxic effects on target organs – single repeated exposure**

No data available.

The mixture is not classified as hazardous in this category.

#### j) **Aspiration hazard:**

No data available.

The mixture is not classified as hazardous in this category.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

- No data available

#### 11.2.2. Other information

- No data

## Section 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity:


- Harmful to aquatic organisms, causing long-term effects.
- may cause long-lasting adverse changes to the aquatic environment
- Follow the instructions or safety data sheet

### 12.2. Durability and degradability:

The components of the product are biodegradable.

### 12.3. Bioaccumulative potential:



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No data available.

**12.4. Mobility:**

No data available.

**12.5. Results of PBT and vPvB assessment:**

None.

**12.6. Endocrine disrupting properties**

None.

**12.7. Other adverse effects:**

None.

### Section 13. WASTE DISPOSAL

**13.1. Waste disposal methods:**

13.1.1. Product:

- Type of waste: Waste paints and varnishes containing organic solvents or other hazardous substances

- waste code: 08 01 11\*

- hazardous waste

- If possible, recover and return to production. Do not dispose of with municipal waste. Do not dispose of in the sewer system. Do not allow to contaminate surface water, groundwater and soil. Dispose of in accordance with current regulations on chemical waste. Dispose of only in designated areas, in installations or devices that meet statutory requirements.

13.1.2 Packaging:

- type of waste: Empty pressure containers

- Waste code: 15 01 11

### Section 14. TRANSPORT INFORMATION LAND TRANSPORT:

14.1. UN number or identification number: 1950

14.2. Proper UN shipping name: AEROSOLS, FLAMMABLE

14.3. Transport hazard class: 2

14.4. Packing group: -

14.5. Environmental hazards: none

14.6. Special precautions for users: None

14.7. Sea transport in bulk in accordance with IMO instruments: not applicable Other:

Identification code: 5F


Labels: 2.1

### Section 15. LEGAL INFORMATION

**15.1. Regulations legal concerning safety, health and protection of the environment specific for substances and mixtures:**

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (30.12.2006 EN Official Journal of the European Union L 396/1) as amended (9.10.2008 EN Official Journal of the European Union L268/14; 17.2.2009 EN Official Journal of the European Union L46/3; 26.6.2009 EN Official Journal of the European Union L164/7; 1.4.2010 EN Official Journal of the European Union L86/7; 31.5.2010 EN Official Journal of the European Union L133/1; 18.2.; EN Official Journal of the European Union L44/2; 21.5.2011 EN Official Journal of the European Union L134/2) as amended.
2. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (known as the GHS Regulation) (31.12.2008 EN Official Journal of the European Union L 353/1), as amended.
3. Act of 28 May 2020 amending the Act on chemical substances and mixtures and certain other acts (Journal of Laws 2020, item 1337)
4. Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the working environment (Journal of Laws 2018, item 1286)
5. Regulation of the Minister of Health of 2 February 2011 on testing and measuring factors harmful to health in the working environment (Journal of Laws 2011, No. 33, item 166)



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6. Commission Regulation (EU) No 252/2011 of 15 March 2011 amending Annex I to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
7. COMMISSION REGULATION (EU) No 253/2011 of 15 March 2011 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XIII
8. Regulation of the Minister of Development of 8 August 2016 on the limitation of emissions of volatile organic compounds contained in certain paints and varnishes intended for painting buildings and their finishing elements, equipment and related to buildings and these structural elements, and in mixtures for vehicle restoration (Journal of Laws 2016, item 1353)
9. Regulation of the Minister of Economy of 10 March 2014 amending the regulation on specific requirements for aerosol products (Journal of Laws 2014, item 345)
10. COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
11. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

#### 15.2. Chemical safety assessment:

No data available.

### Section 16. OTHER INFORMATION

Wording of the hazard statements listed in sections 2 and 3 of the card:

H220	Extremely flammable gas	
H224	Extremely flammable liquid and vapour	
H225	Highly flammable liquid and vapour	
H226	Flammable liquid and vapour	
H228	Flammable solid	
H280	Contains gas under pressure; heating may cause an explosion	
H302	Harmful if swallowed	
H312	Harmful in contact with skin.	
H315	Irritating to skin	
H317	May cause an allergic skin reaction.	
H319	Irritating to eyes	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
EUH066	Repeated exposure may cause skin dryness or cracking.	H400 Very
toxic to aquatic life.		
H410	Very toxic to aquatic life with long-lasting effects.	H411 Toxic to aquatic life with long-lasting effects.

Medical examinations of employees and tests and measurements of harmful factors should be carried out in accordance with applicable regulations.

The above information has been compiled based on current knowledge and experience. However, it does not constitute a guarantee of product ownership or quality specifications and cannot be used as a basis for complaints. The product should be transported, stored and used in accordance with applicable regulations and good practice and hygiene at work.

The manufacturer is not liable for any losses resulting directly or indirectly from the application of the above interpretation of regulations or instructions.

The information provided may not apply to mixtures of the product with other substances. The use of the information provided and the use of the product are not controlled by the manufacturer, and therefore it is the user's responsibility to create appropriate conditions for the safe handling of the product.

The safety data sheet was prepared by **CHEM-NET Magdalena Granosik** [chem-net@wp.pl](mailto:chem-net@wp.pl), on behalf of **APP Sp. z o.o.** The sheet was prepared on the basis of current national regulations. The sheet was prepared on the basis of data provided by the manufacturer and current knowledge and experience.