

MATERIAL SAFETY DATA SHEET FOR A MIXTURE

UNIEPAL DREW AQUA 1-K

[Drawn up in accordance with Commission Regulation 1907/2006/EC (REACH) and 830/2015]

Written on: 06.10.2010

Edition: 3

Updated on: 01.06.2015

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

1.1. Product identifier:

Trade name: **UNIEPAL DREW AQUA 1-K**

Substances which affected this classification: None

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Identified use: Water-diluted varnish intended for creating a fire-resistant and decorative coat on wood, OSBs, plywood and wood derivatives, used in residential and public interiors. The varnish is characterized by high hardness and abrasive resistance, which makes it the excellent solution for flooring, parquet, stairs, furniture in public buildings. Use advised against: None determined.

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

Przedsiębiorstwo Produkcyjno-Handlowe "ADW" Sp. z o.o.

43-175 Wiry, ul. Zbożowa 2

Tel. 32 / 218 71 85

Fax: 32 323 00 85

Website: www.adw.com.pl

E-mail address: adw@adw.com.pl

1.4. Emergency telephone number:

Tel. 32 / 218 71 85

SECTION 2: Identification of hazards:

2.1 Classification of the mixture:

Human hazards: no human hazard present if general OHS principles are observed.

Environmental hazards: The product is not classified as posing a hazard for the environment.

Hazards stemming from physical and chemical properties: none known

2.2. Labeling elements:

Hazard pictograms and warning label

None.

Product identifier

None.

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Hazard type designation

None.

Hazard type designations (EU)

EUH 208- Contains Benzisothiazolinone. May produce an allergic reaction.

Contains a reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3 [CE no. 247-500-7] and 2-methyl-2H-isothiazol-3 [CE no. 220-239-6] (3: 1). May produce an allergic reaction.

Precautionary statements

P102 Keep out of the reach of children. P280 Wear protective gloves.

2.3 Other hazards:

No data available

SECTION 3: Composition / information on ingredients:

3.1. Substances:

Not applicable

3.2. Mixtures:

Ingredients: water-based polymer dispersion on the basis of polyurethane resin, with the addition of flame-retardant solutions and auxiliary solutions.

CAS: 220-120-9 EINECS: - Index number: 613-088-006 Proper registration number:	Benzisothiazolinone Acute Tox. 4; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.03%
CAS: 55965-84-9 EINECS: - Index number: 613-167-00-5 Proper registration number:	Reaction mixture of 5-chloro-2-methyl-2H-isothiazol-3 [CE no. 247-500-7] and 2-methyl-2H-isothiazol-3 [CE no. 220-239-6] (3: 1). Acute Tox.3 H331, H311,H301, Skin Corr.1B H314, Aquatic Acute 1 H400, Aquatic Chronic 1 H410	< 0.0015%

SECTION 4: First aid measures:

4.1 Description of first aid measures:

Inhalation

Not harmful. If necessary, provide fresh air.

Ingestion

Medical consultation.

Eye contamination

Wash abundantly with fresh water and provide medical consultation with an oculist.

Skin contamination

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Remove contaminated clothing immediately and wash the contaminated skin abundantly with water, and then with soap and water.

4.2. Most important symptoms and effects, both acute and delayed:

No data available

4.3 Indication of any immediate medical attention and special treatment required for the injured:

No data available

SECTION 5: Firefighting measures:

The product is non-flammable. Long-term exposure to high temperatures can lead to the evaporation of the water dispersion in the product.

5.1 Extinguishing media:

Suitable extinguishing media: all available media (water, dispersed currents, foam, powder, CO₂, sand).

Unsuitable extinguishing media: water jets, causing the burning substance to splash.

5.2. Special hazards arising from the substance or mixture:

not applicable

5.3 Advice for firefighters:

Use appropriate personal protective equipment typical in the event of a fire.

SECTION 6: Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with the released product.

6.2 Environmental precautions:

Does not create a toxicological hazard, but a major spill should be secured against reaching sewage or ground waters.

6.3 Methods and materials for containment and cleaning up:

In the event of a leak - eliminate the source (close the leak, place the damaged packaging in a sealed container). With major leaks, embank the substance accumulation site and pump out the liquid collected. Cover small spills with absorbent material, such as diatomaceous earth, carefully

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collect and dispose of safely in a landfill.

6.4 References to other sections:

None

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

During use and storage, observe effective occupational health and safety regulations applicable to the handling of chemicals. Avoid skin and eye contamination. Using the product, observe personal hygiene rules and use protective clothing. Do not drink or eat in the workplace.

7.2 Conditions for safe storage, including any incompatibilities:

Store in original, properly labeled, sealed containers, at 5 - 30°C. Protect from direct sunlight and heat sources. Keep away from children.

7.3 Specific end use(s):

None

SECTION 8: Exposure controls/personal protection:

8.1. Control parameters:

No special requirements.

TLV, STEL, MAC - not determined

8.2 Exposure control:

Personal protection:

Respiratory tract:	not required
Eye protection:	protective glasses - use when splashing is possible.
Hand protection:	protective gloves
Skin protection	protective clothing

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SECTION 9: Physical and chemical properties:

9.1 Information on basic physical and chemical properties:

Solubility in water:	soluble
a) Appearance:	liquid
b) Odor:	characteristic for a dispersion
c) Odor threshold:	no data available
d) pH:	8 - 9.5
e) Melting/solidification point:	Approx. 0°C
f) Initial boiling point and boiling range:	No data available
g) Flash point:	Approx. 100°C
h) Evaporation rate:	No data available
i) Flammability:	No data available
j) Upper/lower explosive limit:	No data available
k) Vapor pressure:	No data available
l) Vapor density:	No data available
m) Relative density (at 20°C):	Approx. 1.015 g/cm ³ in water: soluble
n) Solubility:	in other solvents: insoluble
o) Partition coefficient: n-octanol/water	no data available
p) Self-ignition temperature:	no data available
q) Decomposition temperature:	no data available
r) Viscosity (25°C):	no data available
s) Explosive properties:	no data available
t) Oxidizing properties:	no data available

9.2 Other Information:

None

SECTION 10: Stability and reactivity:

10.1 Reactivity:

No data available

10.2 Chemical stability:

The product is stable when the conditions specified by the manufacturer are observed. Does not

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change its consistency.

10.3 Possibility of hazardous reactions:

Not applicable.

10.4 Conditions to avoid:

Temperatures exceeding 5-30°C.

10.5 Incompatible materials:

None

10.6 Hazardous decomposition products:

None known.

SECTION 11: Toxicological information:

11.1 Information on toxicological effects:

The product does not create a toxicological hazard.
No reports of poisoning caused by products of this type.
May cause a stomach disorder when swallowed.
Direct contact with skin may cause slight irritation.
Eye contamination may cause irritation.
Doses and toxicological concentrations:
No data available.

SECTION 12: Ecological information:

12.1. Toxicity

See Section 11.

12.2 Persistence and degradability

See Section 10.

12.3. Bioaccumulative potential

None known.

12.4 Mobility in soil.

Do not empty into drains and sewage. The product dissolves in water. When released to waterways in large amounts, the product can cause the probability of long-term threat to aquatic organisms.

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12.5 Results of properties assessment of PBT and vPvB:

No data available

12.6 Other adverse effects.

None

SECTION 13: Waste disposal considerations:

Waste classification (*according to the ordinance of the Minister of Environment Protection, Journal of Laws no. 12, item 1206 of 2001*)

Identification code: 08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19

13.1 Waste neutralization methods:

Product handling

Do not store on municipal landfills. Consider reusing the product.

Recycling or neutralizing waste product should be carried out in accordance with applicable regulations, in installations and devices fulfilling specific requirements. (The Waste Act of 14 December 2012 (Journal of Laws of 2013 item 21))

Disposal of packaging

Recycle or neutralize clean packaging waste.

Packaging waste code: 15 01 02

Do not use returnable packaging.

SECTION 14: Transport information:

14.1 UN number

Not applicable. The product is not classified as dangerous during transport.

14.2 UN proper shipping name

Not applicable. The product is not classified as dangerous during transport.

14.3 Transport hazard class

Not applicable. The product is not classified as dangerous during transport.

14.4 Packaging group

Not applicable. The product is not classified as dangerous during transport.

14.5 Environmental hazards

Not applicable.

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14.6 Special precautions for the user

Not required.

14.7 Transport in bulk according to Annex II to MARPOL 73/78 and the IBC code

Not applicable.

SECTION 15: Regulatory information:

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

Act of 25 May 2011 on chemical substances and their mixtures (Journal of Laws No. 63, item 322, as amended).

Ordinance of the Minister of Labor and Social Policy of 6 June 2014 on maximum permissible exposure limits and concentrations of harmful factors in the workplace (Journal of Laws, 2014, item 817). The Waste Act of 14 December 2012. (Journal of Laws of 2103, item 21).

Act of 27 May 2001 on packaging and packaging waste (Journal of Laws 2103, item 888).

Ordinance of the Minister of the Environment of 9 September 2014 on the waste catalog (Journal of Laws of 2014, item 1923).

Ordinance of the Minister of the Economy of 21 December 2005 on the basic requirements for personal protective equipment (Journal of Laws, No. 259, item 2173).

Ordinance of the Minister of Health of 2 February 2011 on tests and measurements of harmful factors in the workplace (Journal of Laws, 33, item 166).

European ADR agreement concerning the international road transport of hazardous goods.

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, as amended

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 with amendments.

Commission Regulation (EU) **830/2015** 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)

Directive **2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

European Parliament and Council Directive **94/62/EC** of 20 December 1994 on packaging

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