

Card No.: KCh/LP/82	Trade name: <u>Emulsion PWX P-50</u> <u>Emulsion PWX P-50/A</u>
Date of edition: 22.05.2015 Date of update: 13.05.2020	Edition 2.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: **Paraffin Emulsion PWX P-50**
Paraffin Emulsion PWX P-50/A

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

Paraffin emulsion PWX P-50 is used in paper industry for paper coating.
Paraffin emulsion PWX P-50/A is used to provide hydrophobicity to wooden construction and furniture boards.

1.3. Details of the supplier of the safety data sheet

Producer: Polwax S.A.
Address: ul.3 Maja 101, 38-200 Jasło, Poland
Phone number: +48 (13) 44 66 242 / +48 (32)32 37 558
E-mail: kch@polwax.pl

1.4. Emergency telephone number

European emergency phone number: 112

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

On the basis of 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*, **mixture is not classified as hazardous.**

2.2. Label elements

Pictograms: None
Signal word: None
Hazard statements: None
Precautionary statements: None

2.3. Other hazards

The mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

Card No.: KCh/LP/82	Trade name: <u>Emulsion PWX P-50</u> <u>Emulsion PWX P-50/A</u>
Date of edition: 22.05.2015 Date of update: 13.05.2020	Edition 2.0

Mixture does not contain:

- Substances hazardous to health and the environment within the meaning of Regulation (EC) No 1272/2008,
- Substances which are assigned Community exposure limits in the workplace,
- Substances meeting the criteria for PBT or vPvB in accordance with Annex XIII of REACH, in the amount to be taken into consideration in accordance with Annex II to Regulation (EC) No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 (REACH).

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Due to the low volatility the risk of inhalation is virtually impossible. In case of discomfort, remove to fresh air. If no improvement obtains seek medical attention.

Eye contact

In case of contact with eyes, wash it with clean water (with rolled eyelids) for 20 to 30 minutes. If eye pain persists seek medical attention.

Skin contact

Wash skin with soap and water. Do not use any organic solvents. Take off dirty protective clothing in case of contact. Rinse skin with water and soap. In case of any skin irritation, consult with a doctor. Wash up clothing before wearing again.

Intake

Rinse mouth with water when swallowed more than 200g of the product. Do not provoke a vomit. Provide medical assistance in case of any health problems.

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

Symptoms and effect: Weak irritating effects on eyes and mucous membranes of the nose and throat as result of prolonged inhalation of vapors and fumes in high concentration. Prolonged skin contact may cause slight irritation.

4.3. Indication of any immediate medical attention and special treatment needed

In each of the above mentioned cases if the problems persist, call a physician immediately or take the victim to a hospital, show packaging or label.

SECTION 5: FIREFIGHTING MEASURES

General Recommendations

The risk of fire is practically none. Only in case of evaporation of water from emulsion, the paraffin vapour may start to burn. In such a case contact immediately fire-fighting brigade. Remove from the area of danger all the people not involved in the rescue operation. Organise evacuation of people, if needed.

5.1. Extinguishing media

Card No.: KCh/LP/82	Trade name: <u>Emulsion PWX P-50</u> <u>Emulsion PWX P-50/A</u>
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Suitable extinguishing media

Use dry chemicals, foam. Carbon dioxide, sand or soil can be used for putting out small fires only.

Inappropriate extinguishing media:

Water may be used only for cooling the containers exposed to flame or heat.

5.2. Special hazards arising from the substance or mixture

Fire extinguishing danger:

Under the influence of high temperature, the fumes of irritating gases (nitrogen oxides, carbon oxides) can be emitted.

Dangerous substances of burning and thermal decomposition:

Carbon monoxide (CO), nitrogen oxides

Dangerous reactions:

Only in a contact with the strong oxidizing agents.

Ways of putting out a fire:

The area of fire should not be entered without appropriate protection (clothing, equipment). Firefighting should be realised from a safe distance.

Product vapours should be dispersed by sprayed stream of water. The heat may cause pressure increase and bursting of closed containers, which conduces to spreading of fire and risk of burning and injury. The containers exposed to the action of fire or high temperature should be cooled down with water from a safe distance, and – if possible – removed from the area of danger.

5.3. Advice for firefighters

Fires in closed or poorly ventilated areas can be extinguished only by trained firefighters equipped with protective clothing and approved breathing apparatus with independent air supply.

SECTION 6: ACCIDENTAL RELEASE MEASURES

General recommendation:

Immediately report the situation to the services responsible for fire and environmental protection.

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Risk control measures and handling of the product described in paragraphs 7 and 8

For emergency responders: Wear antistatic protective clothing, gloves (nitrile rubber, NBR) and non-slip shoes.

6.2. Environmental precautions

Product must not be allowed to enter into drainage or sewers because it limits access of oxygen to aqueous organisms.

6.3. Methods and material for containment and cleaning up

Card No.: KCh/LP/82	Trade name: <u>Emulsion PWX P-50</u> <u>Emulsion PWX P-50/A</u>
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Spilled material should be collected by means of available equipment and placed in a marked container for future recycling or disposal in accordance with binding regulations.

6.4. Reference to other sections

Risk control measures and handling of the product described in paragraphs 7 and 8.

Disposal - paragraph 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

When handling the product, there should be used mechanical exhaust ventilation. Use non-sparking equipment. Protect the product from contact with open fire.

When handling, conform to the industrial safety regulations, avoid contact with skin and eyes, and inhaling the vapours in the case the product gets overheated.

Use protection clothing.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry room equipped with a ventilation system. In the area of the magazine do not smoke, do not use open fire and sparking devices.

Packaging should be sealed and properly labelled, placed away from heat sources and strong oxidizing agents. Avoid exposure to direct sunlight. Packaging should protect the product against moisture, mechanical and air pollution.

The product in liquid (or solid) form should be stored in closed tanks, equipped with a heating system.

Storage Temperature

At temperature in range 5-35°C. Protect against low temperatures – product loses its own properties and stability (may divide into layers).

Package

Product is stored in liquid form in tanks or containers made from proper material resistant to the action of hydrocarbons.

7.3. Specific end use(s)

Paraffin emulsion PWX P-50 is used in paper industry for paper coating.

Paraffin emulsion PWX P-50/A is used to provide hydrophobicity to wooden construction and furniture boards.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational exposure limit has been established for ingredients of the product in following legal acts:

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Date of edition: 22.05.2015 Date of update: 13.05.2020	Edition 2.0

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC with later amendments.

8.2. Exposure controls

Execute research of required physical and chemical factors in environment of work.
Use gloves resistant to oil, rubber boots, standard protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	white liquid
Odour:	light smell of ammonia
Odour threshold	not tested
pH	slightly alkaline (r-aq)
Melting point/freezing point	0,0°C
Initial boiling point and boiling range	100°C
Flash point:	not tested
Evaporation rate	not tested
Flammability (solid, gas)	not classified as flammable
Upper/lower flammability or explosive limits	under normal conditions of use does not form explosive vapours
Vapour pressure	0-20 Pa at 80°C
Vapour density	not tested
Relative density	0,85-1,0 g/cm³ (at 15°C)
Solubility(ies)	soluble in water
Partition coefficient: n-octanol/water	not tested
Auto-ignition temperature	not tested
Decomposition temperature	not tested
Viscosity	max 850 mPas (cP)
Explosive properties	not applicable - not classified as explosive
Oxidising properties	not applicable - not classified as oxidizing

9.2. Other information

Not applicable

Card No.: KCh/LP/82	Trade name: <u>Emulsion PWX P-50</u> <u>Emulsion PWX P-50/A</u>
Date of edition: 22.05.2015 Date of update: 13.05.2020	Edition 2.0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Under normal storage conditions does not manifest the tendency to dangerous reactions

10.2. Chemical stability

Stable in normal conditions, at temperature in range 5-35°C, for period of 6 months.

10.3. Possibility of hazardous reactions

No information about the possibility of hazardous reactions.

10.4. Conditions to avoid

Avoid exposure to high temperature. Do not use in the vicinity of open flames and other sources of ignition

10.5. Incompatible materials

Shows no tendency to dangerous reactions. Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products

Under conditions of incomplete combustion may produce carbon monoxide (CO).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:	- does not apply
Skin corrosion/irritation	- may cause irritation in case of prolonged exposure
Serious eye damage/irritation	- may cause irritation in case of prolonged exposure
Respiratory or skin sensation	- does not apply
Germ cell mutagenicity	- does not apply
Carcinogenicity	- does not apply
Reproductive toxicity	- does not apply
STOT-single exposure	- does not apply
STOT-repeated exposure	- does not apply
Aspiration hazard	- does not apply

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Under normal conditions of use does not cause hazard to soil and water environment.

12.2. Persistence and degradability

No data

12.3. Bioaccumulative potential

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It does not contain substances classified as PBT or vPvB

12.4. Mobility in soil

Solidifies at ambient temperature. Lack of ability to migrate in the soil.

12.5. Results of PBT and vPvB assessment

Not applicable

12.6. Other adverse effects

In the case of spillage into the water, it may limit access of oxygen to aqueous organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

Classification of waste material:

Identification code: **05 01 99 - other waste material, not classified**

Waste material is not classified as dangerous.

13.1. Waste treatment methods

The product which lost its properties (as a result of e.g. contamination) as well as contaminated waste material (e.g. as a result of spillage) should be stored only in marked places.

Dispose of in accordance with local and national regulations.

Single-use packages should be disposed of in accordance with binding disposal regulations.

Multiple-use packages can be used again after purification.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

-not applicable

14.2. UN proper shipping name

-not applicable

14.3. Transport hazard class(es)

-not applicable

14.4. Packing group

-not applicable

14.5. Environmental hazards

-not applicable

14.6. Special precautions for user

-During loading, transportation and unloading of product in liquid form (approx. 100°C) there is a possibility of burns from hot product. Use heat-resistant gloves, goggles and protective clothing.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

-not applicable

SECTION 15: REGULATORY INFORMATION



Polwax S.A.

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

1. Regulation (EC) No 1907/2006 of the European Parliament and 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 Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC with later amendments.
2. Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures, and amending and repealing Directive 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with later amendments.
3. European Agreement concerning the international carriage of dangerous goods by road (ADR) (Dz.U.05.178.1481 with later amendments).
4. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
5. Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.
6. Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC with later amendments.
7. Council Directive 94/55/EC of 21 July 1994 the laws of the Member States relating to road transport of dangerous goods with later amendments.
8. Regulations concerning the international carriage of dangerous goods (RID), issued pursuant to the Convention concerning International Carriage by Rail (COTIF) concluded at Berne on 9 May 1980 (Dz.U.85.34.158 with later amendments).

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This safety data is made in accordance with the principles set out in the REACH Regulation, the available literature described including messages by specially established international organizations and to the best of our knowledge. Analysis of physicochemical properties is regularly carried out on behalf of Polwax S.A. in the laboratory.

STATEMENT

The information provided in this SDS contains the state of our knowledge at the date of issue. We draw attention to downstream users and distributors that we are not responsible for improper use of our product in a manner other than recommended by us.

Precautions regarding health and safety and advice on matters of environmental protection enshrined in the Charter are not necessarily appropriate for all individuals or institutions. Applying the duty to assess and use



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the product specified in a safe manner and in accordance with all applicable laws and regulations. The provisions set out in the Charter in no way relieve the User of the provisions relating to its business.

The above document was developed in Polwax S.A.

**MATERIAL SAFETY DATA SHEETS SHOULD BE IMMEDIATELY TRANSFERRED DOWN TO
SUPPLY CHAIN**