

SAFETY DATA SHEET

According to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Walraven Pacifyre® MWB-A

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

1.1 Product identifier

Product form : Mixture
Trade name : Walraven Pacifyre® MWB-A

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

1.2.1 Relevant identified uses

Use of the substance/mixture: Fire protection material.

1.2.2 Uses advised against

No additional information available.

1.3 Details of the supplier of the safety data sheet

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export@walraven.com

1.4 Emergency telephone number

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/y)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified.

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements:

EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1).
May produce an allergic reaction.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH210 - Safety data sheet available on request.

2.3 Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Titanium dioxide (Note 10)	CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-No: 01-211948937917	$\geq 3 - < 5$	Carc. 2, H351
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5 REACH-No: 01-212076469148	< 0.0015	Acute Tox. 2 (Inhalation), H330 (ATE=0.05 mg/l/4h) Acute Tox. 2 (Dermal), H310 (ATE=50 mg/kg bodyweight) Acute Tox. 3 (Oral), H301 (ATE=100 mg/kg bodyweight) Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071

Specific concentration limits:

Name	Product identifier	%	Specific concentration limits
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS-No.: 55965-84-9 EC-No.: 911-418-6 EC Index-No.: 613-167-00-5 REACH-no: 01-212076469148	< 0.0015	(0.0015 \leq C \leq 100) Skin Sens. 1A, H317 (0.06 \leq C $<$ 0.6) Eye Irrit. 2, H319 (0.06 \leq C $<$ 0.6) Skin Irrit. 2, H315 (0.6 \leq C \leq 100) Eye Dam. 1, H318 (0.6 \leq C \leq 100) Skin Corr. 1C, H314

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter $\leq 10 \mu\text{m}$. Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

- 4.1 Description of first aid measures**
Measures after inhalation:
 Remove person to fresh air and keep comfortable for breathing.
- Measures after skin contact:**
 Wash skin with plenty of water.
- First-aid measures after eye contact:**
 Rinse eyes with water as a precaution.
- Measures after ingestion:**
 Call a poison center or a doctor if you feel unwell.
- 4.2 Most important symptoms and effects, both acute and delayed**
Symptoms/effects after skin contact:
 May cause sensitisation of susceptible persons by skin contact.
- 4.3 Indication of any immediate medical attention and special treatment needed**
 Treat symptomatically.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
Suitable extinguishing media:
 Water spray. Dry powder. Foam. Carbon dioxide.
- 5.2 Special hazards arising from the substance or mixture**
Fire hazard:
 Product does not burn, fire-extinguishing activities according to surrounding.
Explosion hazard:
 Product is not explosive.
Hazardous decomposition products in case of fire:
 Toxic fumes may be released.
- 5.3 Advice for firefighters**
Protection during firefighting:
 Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
 Complete protective clothing.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
- 6.1.1 For non-emergency personnel**
Emergency procedures:
 Ventilate spillage area.
- 6.1.2 For emergency responders**
Protective equipment:
 Do not attempt to take action without suitable protective equipment.
 For further information refer to section 8: "Exposure controls/personal protection".

- 6.2 Environmental precautions**
Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up**
Methods for cleaning up:
Take up liquid spill into absorbent material.
- Other information:**
Dispose of materials or solid residues at an authorized site.
- 6.4 Reference to other sections**
For further information refer to section 13.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Additional hazards when processed:
Avoid contact with eyes, skin or mucous membrane.
- Precautions for safe handling:**
Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures:**
Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
- 7.2 Conditions for safe storage, including any incompatibilities**
Storage conditions:
Store in a well-ventilated place. Keep cool.
- Information on mixed storage:**
Keep away from food, drink and animal feeding stuffs.
- Storage area:**
Store away from direct sunlight or other heat sources. Keep out of frost.
- 7.3 Specific end use(s)**
See Section 1.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
No additional information available.
- 8.1.1 National occupational exposure and biological limit values**
No additional information available.
- 8.1.2 Recommended monitoring procedures**
No additional information available.
- 8.1.3 Air contaminants formed**
No additional information available.

8.1.4. DNEL and PNEC

No additional information available.

8.1.5. Control banding

No additional information available.

8.2 Exposure controls

No additional information available.

8.2.1. Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment**8.2.2.1. Eye and face protection****Eye protection:**

Protective goggles (EN 166).

8.2.2.2. Skin protection**Skin and body protection:**

Wear suitable protective clothing.

Hand protection:

Protective gloves.

Type	Material	Permeation	Thickness (mm)
Chemically resistant protective gloves, Disposable gloves	Nitrile rubber (NBR), Butyl rubber, Nitrile rubber	6 (> 480 minutes)	≥ 0,4

8.2.2.3. Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Filter type. A-P2.

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	White. Grey
Appearance	Viscous. Pasty
Odour	Almost odourless
Odour threshold	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	≈ 100 °C
Flammability	Not applicable
Explosive properties	Product is not explosive
Oxidising properties	Non oxidizing
Explosive limits	Not available
Lower explosive limit (LEL)	Not available
Upper explosive limit (UEL)	Not available
Flash point	Not applicable
Auto-ignition temperature	Not available
Decomposition temperature	Not available
pH	7 – 7.8
pH solution	10 % in water
Viscosity, kinematic	Not available
Viscosity, dynamic	6000 – 40000 m Pa.s (20 °C)
Solubility	Water: Miscible
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	Not available
Vapour pressure at 50 °C	Not available
Density	1.34 – 1.48 g/cm ³ (20 °C)
Relative density	Not available
Relative vapour density at 20 °C	Not available
Particle characteristics	Not applicable

9.2 Other information

No additional information available.

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

VOC content : < 10 %.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

Strong acids. Strong alkalines.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	50 mg/kg bodyweight
ATE CLP (gases)	100 ppmv/4h
ATE CLP (vapours)	0.5 mg/l/4h
ATE CLP (dust,mist)	0.05 mg/l/4h

Skin corrosion/irritation : Not classified pH: 7 – 7.8

Serious eye damage/irritation : Not classified pH: 7 – 7.8

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Titanium dioxide (13463-67-7)

IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

11.2 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No additional information available

SECTION 12: Ecological information

12.1 Toxicity**Ecology – general:**

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute):

Not classified.

Hazardous to the aquatic environment, long-term (chronic):

Not classified.

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

European List of Waste (LoW) code

: 08 01 19* - aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

No supplementary information available

14.6 Special precautions for user**Overland transport**

Not applicable.

Transport by sea

Not regulated.

Air transport

Not regulated.

Rail transport

Not regulated.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1 EU-Regulations**

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XIV substances.

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : < 10 %

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2 National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information**16.2 Abbreviations and acronyms:**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)

DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration

Abbreviations and acronyms:

LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GHS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
CAS	CAS (Chemical Abstracts Service) number
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
MARPOL 73/78	MARPOL 73/78: International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

Other information : Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Full text of H- and EUH-statements:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1.
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1.
Carc. 2	Carcinogenicity, Category 2.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.
EUH211 Warning!	Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2.
H301	Toxic if swallowed.
H310	Fatal 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.
H330	Fatal if inhaled.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C.
Skin Irrit. 2	Skin corrosion/irritation, Category 2.
Skin Sens. 1A	Skin sensitisation, category 1A.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.

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