

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name: Marldon MXW620 Hardwax Oil – Satin Matt, Colourless

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

Relevant identified uses Coating/Varnish

1.3 Details of the supplier of the safety data sheet.

SUPPLIER: Marldon

172 Brierley Road

Walton Summit Centre

Preston, PR5 8AH

Website: www.marldonuk.com / Email: info@marldonuk.com

1.4 Emergency telephone number: 7.30am – 4.30pm Monday to Friday

Phone: 01772 696600

Fax: 01772 647397

2 FIRST AID MEASURES

2.1 Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]

2.2 Label element

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

Hazard pictograms

Hazard statements

Precautionary statements

Contains

Supplemental Hazard information (EU)

EUH208 Contains phthalic anhydride; 2-butanone oxime. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

3 COMPOSITION/INFORMATION ON INGREDIENTS*

3.1 Mixtures

Description: Mixture of substances listed below with non-hazardous additions

Product description / chemical characterization · Description: Oil

Hazardous ingredients

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

EC No. CAS No. INDEX No	REACH No. Chemical name Classification // Remarks	Wt%
265-150-3 64742-48-9 649-327-00-6	01-2119457273-39 Naphtha (petroleum), hydrotreated heavy; Low boiling point; hydrogen treated naphtha Asp. Tox. 1 H304	25 - 50
919-857-5 649-327-00-6	01-2119457273-39 Naphtha (petroleum), hydrotreated heavy; Low boiling point; hydrogen treated naphtha Asp. Tox. 1 H304	12,5 - 20
292-459-0 90622-57-4	01-2119 46325 8-33 Naphtha (petroleum), hydrotreated heavy Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE3 H336	2,5 - 5
202-496-6 96-29-7 616-014-00-0	01-2119539477-28 2-butanone oxime Carc. 2 H351 / Acute Tox. 4 H312 / Eye Dam. 1 H318 / Skin Sens. 1 H317	0,5 - 1
286-272-3 85203-81-2	01-2119979093-30 Zink bis(2-ethylhexanoate) Eye Irrit. 2 H319 / Repr. 2 H361 / Aquatic Chronic 3 H412	< 0,5
245-018-1 22464-99-9	01-2119979088-21 2-ethylhexanoic acid, zirconium salt Skin Irrit. 2 H315 / Repr. 2 H361	< 0,5

Additional information: Full text of classification: see section 16.

4 FIRST AID MEASURES

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact: Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

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No further relevant information available

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2 Environmental precautions:

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations

6.3 Methods and material for containment and cleaning up:

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

Observe protective provisions (see sections 7 and 8).

7. HANDLING AND STORAGE

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

7.1 Precautions for safe handling.

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values:

Naphtha (petroleum), hydrotreated heavy ; Low boiling point ; hydrogen treated naphtha INDEX No. 649-327-00-6 / EC No. 265-150-3 / CAS No. 64742-48-9

WEL, TWA : 1200 mg/m³

Remark : (> or = C7, Normal and branched chain alkanes) WEL, TWA : 800 mg/m³

Remark : (> or = C7, Cycloalkanes)

Additional information

TWA : long-term occupational exposure limit value STEL : short-term occupational exposure limit value

Ceiling peak limitation

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl rubber) Thickness of the glove material > 0,4mm ; Breakthrough time (maximum wearing time) > 480 min. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information:

Form	Liquid
Colour:	Colourless
Odour:	Characteristics
Odour threshold	Not applicable
pH: at 20°	Not applicable
Melting point / freezing point	Not applicable
Initial boiling point and boiling range	149°C
Density at 20°C	0,90 g/cm ³
Solubility in / Miscibility with water	Fully miscible
Source:	Naphta (petroleum), hydrotreated heavy
Flash point:	62 °C
	Method: DIN 53213-1
	08/2002: replaced by EN ISO 1523)
Evaporation rate, Flammability (solid, gas) Burning time (s), Upper/lower flam	Not applicable
Lower explosion limit: Upper explosion limit: Source	0,65 Vol-% 7 Vol- Alkanes, C9-12-iso
Vapour Pressure at 20°C	49,2523 mbar Method: DIN EN 12
Vapour density	not applicable
Relative density:	
Density at 20 °C:	0,90 g/cm ³
Solubility(ies)	
Water solubility (g/L) at 20 °C:	insoluble
Partition coefficient: n-octanol/water:	see section 12
Auto-ignition temperature:	230 °C Source: Alkanes, C9-12-iso
Decomposition temperature	not applicable
Viscosity at 20 °C:	90 s 4 mm Method: DIN 53211
Explosive properties:	not applicable
Oxidising properties:	not applicable

9.2 Other information: No further relevant information available.

10 STABILITY AND REACTIVITY

10.1 Reactivity Stable

10.2 Chemical stability Thermal decomposition / conditions to be avoided:

Stable when applying the recommended regulations for storage and handling.

Further information on correct storage: refer to section 7

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions

10.4 Conditions to avoid. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials: No further relevant information available.

10.6. Hazardous decomposition products: Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Toxicological data are not available.

Skin corrosion/irritation Serious eye damage/eye irritation Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. I indications for this are:

headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

12 ECOLOGICAL INFORMATION

Overall evaluation

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

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1 Toxicity: Toxicological data are not available.

12.2 Persistence and degradability. Toxicological data are not available.

12.3 Bio accumulative potential No further relevant information available.

12.4 Mobility in soil Toxicological data are not available.

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects None known.

13 DISPOSABLE CONSIDERATIONS

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080112 waste paint and varnish other than those mentioned in 080111 packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

14 TRANSPORT INFORMATION

14.1 UN Number	Not regulated for transport
14.2 UN proper shipping name	
14.3 Transport hazard class (es)	Not regulated for transport
14.4 Packing group	Not regulated for transport
14.5 Environmental Hazards: Land transport Marine pollutant	Not applicable Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable
UN "Model Regulation":	Void

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXW620 Hardwax Oil – Satin Matt

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

15 REGULATORY INFORMATION

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

EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 434

National regulations

Restrictions of occupation:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2 Chemical Safety Assessment

For the following substances of this preparation a chemical safety assessment has been carried out:

EC No. CAS No.	Chemical Name	REACH No.
265-150-3 64742-48-9	aphtha (petroleum), hydrotreated heavy; Low boiling point; hydrogen treated naphtha	01-2119457273-39
919-857-5	Naphtha (petroleum), hydrotreated heavy	01-2119463258-33
86-272-3 85203-81-2	Zink bis (2-ethylhexanoate)	01-2119979093-30
245-018-1 22464-99-2	2-ethylhexanoic acid, zirconium salt	01-2119979088-21

16 OTHER INFORMATION

Full text of classification in section 3:

Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
STOT SE 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness
Carc. 2 / H351	Carcinogenicity	Acute toxicity (dermal) Serious eye damage/eye irritation Respiratory or skin sensitisation
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Skin Sens. 1/H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging fertility. Suspected of damaging the unborn child
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation
Repr. 2 / H361	Reproductive toxicity	Suspected of damaging the unborn child
Eye Irrit. 2 / H319	Serious eye damage / eye irritation	Causes serious eye irritation.

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT:	Marldon MXW620 Hardwax Oil – Satin Matt
-----------------	---

Version 3

Revision date: 1st October 2022

Replaces: version dated 28th September 2017

Abbreviations and acronyms

For abbreviations and acronyms, see ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.