

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

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

1.1 Product Identifier:

Trade Name: **Marldon MXS 160 Epoxy Primer for Porous Substrates - Part A**

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

No further relevant information available.

Application of the substance / the mixture Primer / Subcoating, Epoxy resin

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: 7am – 5pm Monday to Friday

At all other times it is recommended to call your poisoning centre

Phone: 01772 696600.

Fax: 01772 647397

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2	H315	Causes skin irritation
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Muta. 2	H341	Suspected of causing genetic defects.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/200

The product is classified and labelled according to the CLP regulation.

Hazard pictogram



GHS07



GHS08



GHS09

Signal word: Warning

Contains:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight<700) 2,3- epoxypropyl neodecanoate

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection.

P308+P313 IF exposed or concerned: Get medical advice/attention. P363 Wash contaminated clothing before reuse.

P405 Store locked up.

Supplemental information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 COMPOSITION/INFORMATION ON INGREDIENTS*

3.1 Chemical characterization: Mixtures

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

Dangerous components		
CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26- xxxx	Reaction product: bisphenol-A- (epichlorhydrin) epoxy Resin (number average molecular weight <700)	30- <50%
	Aquatic Chronic 2, H411, Skin Irrit 2, H319; Skin Sens, 1 H317	
CAS: 26761-45-5 EINECS: 247-979-2	2,3-epoxypropyl neodecanoate	1- <5%
	Muta. 2, H341; Aquatic Chronic 2, H411; Skin Sens. 1, H317	
CAS: 9016-45-9 NLP: 500-024-6	Polyethylene Glycol Nonylphenyl Ether	1- <5%
	Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	

SVHC

9016-45-9	Polyethylene Glycol Nonylphenyl Ether
-----------	---------------------------------------

Additional information:

For the wording of the listed risk phrases refer to section 16

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

4 FIRST AID MEASURES

4.1 Description of first aid measures

General information:

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Irritating to eyes and skin.

Information for doctor: No further relevant information available.

Hazards No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information:

Cool endangered receptacles with water spray.

Collect contaminated firefighting water separately. It must not enter the sewage system.

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with the eyes and skin. Ensure adequate ventilation.

6.2 Environmental precautions:

Environmental precautionary measures:

No special measures required. Do not allow to enter sewers/ surface or ground water

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

The usual precautionary measures are to be adhered to when handling chemicals.

Information about fire - and explosion protection:

The product is not flammable.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles

Information about storage in one common storage facility:

Protect from heat and direct sunlight.

Store away from foodstuffs.

Do not store together with oxidising and acidic materials.

Store away from reducing agents.

Information about storage conditions:

Protect from frost.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep indoors.

Storage temperature: +10 °C to +35 °C

7.3 Specific end use(s) No further relevant information available.

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation

Material of gloves

Nitrile rubber, NBR, PVA gloves, Neoprene gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Tightly sealed goggles

Body protection: Protective work clothing

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General Information:

Physical state	Liquid
Colour:	White
Odour:	Characteristic
Initial boiling point/ boiling range:	100° C
Flash point:	>100° C
Ignition temperature:	420° C
Explosive properties:	Product does not present an explosion hazard
Density at 20°C	1.03 g/cm ³
Vapour density:	Not determined
Solubility in / Miscibility with water	Fully miscible
Viscosity:	
Dynamic Density 20°C	2400 mPas

9.2 Other information: No further relevant information available

10 STABILITY AND REACTIVITY

10.1 Reactivity No further relevant. Stable

10.2 Chemical stability Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.2 Possibility of hazardous reactions. Reacts with acids, alkalis and oxidising agents.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

5068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight < 700)

Oral	LD50	11400 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

26761-45-5 2,3-epoxypropyl neodecanoate

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

Oral	LD50	>9600 mg/kg (rat)
Dermal	LD50	>3800 mg/kg (rabbit)
Inhalative	LC50/4 h	5 mg/L (rat)

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Suspected of causing genetic defects.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability The product is not easily, but potentially biodegradable.

12.2 Bio accumulative potential. May be accumulated in organism

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects. No further relevant information available.

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

13 DISPOSABLE CONSIDERATIONS

13.1 Waste treatment metho

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Cured product can be deposited together with domestic waste. Observe the specific related regulations of local authorities.

Waste disposal key: UK (WM3) : HP4 HP11 HP13 HP14

European Waste catalogue	
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances

Uncleaned packaging:

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Non contaminated packagings may be recycled.

14 TRANSPORT INFORMATION

14.1 UN Number	UN3082
14.2 UN proper shipping name ADR	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy resin (number average MW <700))
IMDG	E N VIRON M ENTALL YHAZ AR DOU S SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy resin (number average MW <700)), MARINE POLLUTANT
IATA	E N VIRON M ENTALL YHAZ AR DOU S SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy resin (number average MW <700))
14.3 Transport hazard class (es) ADR,  Class Label	9 (M6) Miscellaneous dangerous substances and articles. 9

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

IMDG, IATA  Class Label	9 (M6) Miscellaneous dangerous substances and articles. 9
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental Hazards: Marine pollutant Special marking (ADR): Special marking (IATA):	Product contains environmentally hazardous substances: bisphenol A epoxy resin (number average MW <700) Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user Danger code (Kemler): EMS Number: Stowage Category	Warning: Miscellaneous dangerous substances and articles 90 F-A,S-F A
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable
ADR Limited quantities (LQ) Excepted quantities (EQ) Transport category Remarks	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000ml 3 SP375
IMDG Limited quantities (LQ) Excepted quantities (EQ)	Not applicable 5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000ml
IATA Remarks	A197
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN (NUMBER AVERAGE MW ≤700)), 9, III

Safety Data Sheet

in accordance with 1907/2006/EC



PRODUCT: Marldon MXS 160 – Epoxy Primer for Porous Substrates – Part A

Version 3

Revision date: 1st October 2022

Replaces: version dated 23rd August 2017

15 REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture
"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).
"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).
COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.
HSE EH40/2005 Workplace Exposure Limits (as amended)
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 46b
National regulations: Information about limitation of use:
Employment restrictions concerning juveniles must be observed.
Other regulations, limitations and prohibitive regulations
Substances of very high concern (SVHC) according to REACH, Article 57
9016-45-9 Polyethylene Glycol Nonylphenyl Ether

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out

16 OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Muta. 2: Germ cell mutagenicity – Category 2
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

* **Data compared to the previous version altered.**