SAFETY DATA SHEET

METAIN SPUIT ANKER

Compilation date: 24/06/2021

Revision No: 1

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

1.1. Product identifier

Product name: METAIN SPUIT ANKER

UFI: 573W-D4HX-8008-0C6S

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

Use of substance / mixture: A Chemical anchoring application

1.3. Details of the supplier of the safety data sheet

Company name: Metain B.V.
Luzernestraat 31
2153 GM Nieuw-Vennep
Netherlands

Tel: 0252-686064

Email: info@metain.nl

1.4. Emergency telephone number

Emergency tel: Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen: 030-2748888

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Skin Sens. 1: H317

Most important adverse effects: May cause an allergic skin reaction. Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark

Signal words: Warning

Precautionary statements: P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash skin thoroughly after handling.

[cont...]

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

Haz. ingredients (label): VINYL TOLUENE; 2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE; METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL; DIBENZOYL PEROXIDE

2.3. Other hazards

Other hazards: Not applicable.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

VINYL TOLUENE - REACH registered number(s): 01-21196222074-50-0000

EINECS	CAS	PBT / WEL	CLP Classification	Percent
246-562-2	25013-15-4	-	Acute Tox. 4: H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315	< 10%

2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE - REACH registered number(s): 01-2119969287-21

203-652-6	109-16-0	-	Skin Sens. 1: H317	3-10%

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL - REACH registered number(s): 01-2119490226-37

248-666-3	27813-02-1	-	Eye Irrit. 2: H319; Skin Sens. 1: H317	3-10%

DIBENZOYL PEROXIDE. - REACH registered number(s): 01-2119511472-50-XXXX

202-327-6	94-36-0	-	Org. Perox. B: H241; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1: H317	1-3%

1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL - REACH registered number(s): 01-2119980937-17-XXXX

254-075-1	38668-48-3	-	Acute Tox. 2: H300; Eye Irrit. 2: H319; Aquatic Chronic 3: H412	<1%

P-BENZOQUINONE

203-405-2	106-51-4	-	Acute Tox. 3: H331; Acute Tox. 3: H301; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Acute 1: H400	<1%

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

[cont...]

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

[cont...]

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Building and construction work (SU19).

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DIBENZOYL PEROXIDE.

Workplace exposure limits: **Respirable dust:**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	5 mg/m3	-	-	-

P-BENZOQUINONE

UK	0.45 mg/m3	1.3 mg/m3	-	-

DNEL/PNEC Values

Hazardous ingredients:

VINYL TOLUENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	5.83 mg/m³	Workers	Systemic
DNEL	Inhalation	1.04 mg/m³	Consumers	Systemic
PNEC	Fresh water	3.2 µg//l	-	-
PNEC	Fresh water sediments	0.245 mg/kg	-	-
PNEC	Marine water	0.32 µg//l	-	-
PNEC	Marine sediments	0.025 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	17.0 mg/l	-	-
PNEC	Soil (agricultural)	47.1 µg//l	-	-

[cont...]

2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	13.9mg/kg	Workers	Local
DNEL	Inhalation	48.5mg/m3	Workers	Local

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	14.7 mg/m³	Workers	Systemic
DNEL	Dermal	4.2 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation (repeated dose)	8.8 mg/m³	General Population	Systemic
DNEL	Dermal	2.5 mg/kg bw/day	General Population	Systemic
DNEL	Oral (repeated dose)	2.5 mg/kg bw/day	General Population	Systemic

DIBENZOYL PEROXIDE.

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	39 mg/m³	Workers	Systemic
DNEL	Dermal (repeated dose)	13.3 mg/kg bw/day	Workers	Systemic
DNEL	Dermal	34 µg/cm²	Workers	Local
DNEL	Oral (repeated dose)	2 mg/kg bw/day	General Population	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Breathing protection is required in inadequately ventilated places. Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Protective gloves. Nitrile gloves. Viton gloves. EN 374 Breakthrough time of the glove material > 8 hours. As the product is a preperation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Paste

Colour: Various

Odour: Characteristic odour

Solubility in water: Insoluble

Relative density: 1.67 **VOC g/l:** 1.85

[cont...]

9.2. Other information

Other information: Solid suspension - classified as non-flammable according to results from Test N.1 test method for readily combustible solids.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

VINYL TOLUENE

DERMAL	RBT	LD50	4490	mg/kg
DUST/MIST	RAT	4H LC50	3535	ppmV
ORAL	RAT	LD50	3680	mg/kg

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

DERMAL	RAT	LD50	>5000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

DIBENZOYL PEROXIDE.

ORL	RAT	LD50	2000	mg/kg
VAPOURS	RAT	LD50	24.3	mg/kg

[cont...]

1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL

ORAL	RAT	LD50	25	mg/kg

P-BENZOQUINONE

ORL	MUS	LD50	25	mg/kg
ORL	RAT	LD50	130	mg/kg
SCU	MUS	LD50	93800	µg/kg

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
ALGAE	72H ErC50	>60	mg/l
Daphnia magna	48H EC50	>11	mg/l
FISH	48H EC50	>7	mg/l
FISH	96H LC50	>100	mg/l

Hazardous ingredients:

METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL

ALGAE	72H ErC50	>97.2	mg/l
Daphnia magna	48H EC50	>143	mg/l

[cont...]

DIBENZOYL PEROXIDE.

ALGAE	72H ErC50	0.0711	mg/l
Daphnia magna	48H EC50	0.110	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	0.0602	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Waste code number: 08 04 09

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

[cont...]

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Active Oxygen Content of Catalyst Component 0.99%

MAL Code: 1-5

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H241: Heating may cause a fire or explosion.

H300: Fatal if swallowed.

H301: Toxic if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.