

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

*** SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** U-PRIMER 110**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:

One component liquid, polyurethane in solvent, adhesion promoter for porous surfaces

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

PENETRON HELLAS S.A.

50, THRAKOMAKEDONON AV., 136 79 ACHARNES, GREECE

TEL.: +30 210 2448250 - FAX: + 30 210 2476803

Email: info@penetron.gr Site: www.penetron.gr

1.4 Emergency telephone number:

European Emergency Tel.: 112

*** SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.

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.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements**Labelling according to Regulation EC No 1272/2008 CLP:**

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

(Contd. on page 2)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 1)

Hazard pictograms:

GHS02 GHS07 GHS08

Signal word: Danger**Hazard-determining components of labelling:**

xylene
aromatic polyisocyanates
methyl ethyl ketone
m-tolyldiene diisocyanate
aromatic polyisocyanate
4-isocyanatosulphonyltoluene

Hazard statements:

H225 Highly flammable liquid and vapour.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P370+P378 In case of fire: use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards**Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

PBT: Not applicable.

vPvB: Not applicable.

* **SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Description: Mixture: consisting of the following components.

(Contd. on page 3)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 2)

Ingredients according Regulation (EU) 2020/878:

CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-XXXX	butanone ⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≥30-<32.5%
CAS: 53317-61-6 NLP: 500-120-8	aromatic polyisocyanates ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	≥24-<25.5%
CAS: 103051-64-5	aromatic polyisocyanate ⚠ Skin Sens. 1, H317	≥16.5-<18%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32-XXXX	xylene ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	≥12.5-<13.5%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	≥12.5-<13.5%
CAS: 26471-62-5 EINECS: 247-722-4 Index number: 615-006-00-4 Reg.nr.: 01-2119454791-34-XXXX	m-tolyldiene diisocyanate ⚠ Acute Tox. 2, H330; ⚠ Resp. Sens. 1, H334; Carc. 2, H351; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412, EUH204 Specific concentration limit: Resp. Sens. 1; H334: C ≥ 0.1 %	≥0.25-<0.3%
CAS: 4083-64-1 EINECS: 223-810-8 Index number: 615-012-00-7	4-isocyanatosulphonyltoluene ⚠ Resp. Sens. 1, H334; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335, EUH014 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % STOT SE 3; H335: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	≥0.2-<0.25%

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Take affected persons out into the fresh air.

Seek immediate medical advice.

After inhalation:

If breathing is difficult, remove to fresh air. Restore breathing. Keep warm and quiet. Notify physician.

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

Seek medical treatment in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothing.

(Contd. on page 4)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 3)

In case of skin irritation, consult a physician.

After eye contact:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses.

Continue to rinse for at least 10 minutes.

Get medical attention if irritation occurs.

After swallowing:

Do not induce vomiting; call for medical help immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Skin contact: Repeated or prolonged skin contact may lead to allergic contact dermatitis or remove the fat of the skin resulting in non-allergic contact dermatitis and absorption through the skin.

- Eye contact: may cause irritation.

- Inhalation: may cause headache, dizziness, gastric or intestinal disorders, drowsiness and/or breathing difficulty.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Carbon dioxide, foam, chemical powder. For losses and product leaks that are not burned, it can be used water spray jet to disperse flammable vapors and protect carers to inhibit leakage.

For safety reasons unsuitable extinguishing agents:

Water with full jet

Do not use water pressure. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2 Special hazards arising from the substance or mixture

In case of fire can be released: carbon monoxide, nitrogen oxides, hydrogen cyanide, isocyanates.

It may create overpressure in containers exposed to fire with explosion hazard. Do not breathe combustion products.

5.3 Advice for firefighters**Protective equipment:**

Mouth respiratory protective device.

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

General Information:

Use water jets to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

Equipment:

Normal clothing for firefighting, including a breathing open-circuit compressed air breathing apparatus (EN 137), fireproof clothing (EN469), fire-proof gloves (EN 659) and boots Firefighters (HO A29 or A30).

Additional information

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

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

(Contd. on page 5)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 4)

Keep away from ignition sources.

Ensure adequate ventilation.

Wear protective clothing.

Avoid contact with skin and eyes.

6.1.1 For non-emergency personnel

Avoid contact with dripping or leaking material

Use personal protective equipment.

6.1.2 For emergency responders

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

In case of seepage into the ground inform responsible authorities.

6.3 Methods and material for containment and cleaning up:

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

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Send for recovery or disposal in suitable receptacles.

Check for the container compatibility with the product, according to paragraph 10.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Handle with care. Avoid jolting, friction and impact.

Avoid contact with skin, eyes and clothing.

Avoid inhaling vapors.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Flammable gas-air mixtures may form in empty receptacles.

Keep it in a dry, cool, well ventilated, fixed in advance place, away from sources of heat, flames, ignition and direct sunlight.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Provide ventilation for receptacles.

Information about storage in one common storage facility: Store away from flammable substances.**Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

(Contd. on page 6)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110**7.3 Specific end use(s)** No further relevant information available.

(Contd. of page 5)

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****CAS: 78-93-3 methyl ethyl ketone**

WEL (Great Britain)	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV
---------------------	---

IOELV (EU)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
------------	---

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

WEL (Great Britain)	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
---------------------	--

IOELV (EU)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin
------------	--

CAS: 1330-20-7 xylene

WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
---------------------	--

IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin
------------	--

CAS: 26471-62-5 m-tolylidene diisocyanate

WEL (Great Britain)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
---------------------	---

CAS: 4083-64-1 4-isocyanatosulphonyltoluene

WEL (Great Britain)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
---------------------	---

DNELs

(CAS: 78-93-3) butanone

workers

Chronic, systemic, Skin : 1161 mg/kg

Chronic, systemic, inhalation : 600 mg/m³

Consumers

Chronic, systemic, oral: 31 mg/kg

Chronic, systemic, Skin: 412 mg/kg

Chronic, systemic, Inhalation dialogue: 106 mg/m³**PNECs**

(CAS: 78-93-3) butanone

Normal value in fresh water 55,8 mg/l

Normal value for fresh water sediment 284,74 mg/kg

Normal value for marine water sediment 284,7 mg/kg

(Contd. on page 7)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 6)

Normal value for water, intermittent release 55,8 mg/l
 Normal value of STP microorganisms 709 mg/l
 Normal value for the terrestrial compartment 22,5 mg/kg

Ingredients with biological limit values:**CAS: 78-93-3 methyl ethyl ketone**

BMGV (Great Britain)	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one
----------------------	---

CAS: 1330-20-7 xylene

BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
----------------------	--

8.2 Exposure controls**8.2.1. Appropriate engineering controls** Provide adequate ventilation.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Do not eat, drink or smoke while using the product.
 Do not breathe vapours or mists.
 Be sure to clean skin thoroughly after work and before breaks.

Respiratory protection:

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

Hand protection

Protective gloves resistant to chemicals (standard EN 374-1)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of 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 mixture 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. In case of dermal contact, for short-term use or as protection from liquids, use butyl or nitrile rubber gloves (Thickness 0,4 mm, penetration time <30 min). In case of continuous exposure, use gloves Viton (thickness 0,4 mm, penetration time > 30 minutes). Contaminated gloves should be removed.

Penetration time of glove material

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

(Contd. on page 8)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 7)

Eye/face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Use working clothes with long sleeves and safety footwear for professional use category I (ref. Community Directive 89/686 / CEE and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

* **SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information**

Physical state	Liquid
Colour:	Light yellow
Odour:	typical of solvent
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	76 °C
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	1 Vol %
Upper:	8 Vol %
Flash point:	-5 °C
Decomposition temperature:	Not determined
pH	Not determined
Viscosity:	
Kinematic viscosity	Not determined
Dynamic:	Not determined
Solubility	
water:	Not determined
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 50 °C:	110 kPa
Density and/or relative density	
Density:	0.97 g/cm ³
Relative density	Not determined
Vapour density	Not determined

9.2 Other information

VOC (Directive 2010/75/EC) : 57,73 % - 560,02 g/l.
 VOC (volatile carbon) : 40,01 % - 388,13 g/l.

Appearance:**Form:** Liquid**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:** 250 °C**Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**Cloud point / clarification point:****Oxidising properties** No data available

(Contd. on page 9)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 8)

Evaporation rate Not determined**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	
Highly flammable liquid and vapour.	
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity**10.1 Reactivity**

2-methoxy-1-methylethyl acetate: constant, but in reaction with air can gradually form peroxides, which are explosives with increasing temperature.

10.2 Chemical stability**Thermal decomposition / conditions to be avoided**

To avoid thermal decomposition do not overheat.

Stable at environment temperature.

10.3 Possibility of hazardous reactions

Forms explosive gas mixture with air.

Xylene: is stable but may give violent reactions in the presence of strong oxidants such as sulfuric acid, nitric acid, perchlorates. May form explosive mixtures with air.

2-methoxy-1-methylethyl acetate: can react violently with oxides and strong acids and alkali metal.

10.4 Conditions to avoid

The product should not be exposed to high temperatures, sparks, flame and electrostatic charges.

Heat, flames and other sources of ignition.

2-methoxy-1-methylethyl acetate: keep at room temperature and away from moisture because it is readily hydrolyzed.

10.5 Incompatible materials

Oxidizing agents

Amines

Strong acids, strong bases

2-methoxy-1-methylethyl acetate: oxides, strong acids and alkali metal.

10.6 Hazardous decomposition products

Isocyanate monomers, carbon monoxide and carbon dioxide, methane, styrene, hydrogen.

GB

(Contd. on page 10)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 9)

*

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Metabolism, kinetics, mechanism of action and other information

1-METHYL-2-METHOXYETHYL ACID

The dermal route is the main route of entry and the respiratory tract is less important, given the low pressure steam of the product.

Information on possible routes of exposure

XYLENIO**WORKERS:** Inhalation, skin contact.**POPULATION:** Ingestion of contaminated food or water, inhalation of environmental air.**1-METHYL-2-METHOXYETHYL ACID****WORKERS:** Inhalation, skin contact.

Delayed and immediate effects as well as chronic effects from short and long exposure

XYLENIO

Toxic effects on the central nervous system (encephalopathies), skin irritation, conjunctivitis, cornea and Respiratory.

1-METHYL-2-METHOXYETHYL ACID

In amounts above 100 ppm, irritation of the mucous membranes of the eyes, nose and oropharynx is observed. On

1000 ppm is observed to balance disturbance and serious irritation of the eyes. Clinical and biological examinations

have been tested in volunteers exposed, have not revealed anomalies. Acetic acid causes larger skin and ocular irritation through direct contact. There are no reports of chronic effects in humans (INCR, 2010).

Interactive effects

XYLENIO

Drinking alcohol interferes with the metabolism of the substance by blocking it. Consumption of ethanol (0.8 g / kg) before

from a 4 hour exposure to xylene vapors (145 and 280 ppm) causes a 50% reduction in methylpuric acid excretion, while

the concentration of xylenes in the blood increases about 1.5-2 times. At the same time there is an increase in the secondary

side effects of ethanol. The metabolism of xylenes is increased by enzymatic inducers such as phenobarbital and

3-methylcholanthrene. Aspirin and xylenes mutually inhibit their coupling with glycine, which has the effect of reduction of urinary excretion of methylpuric acid. Other industrial products can inhibit metabolism of xylenes.

Acute toxicity Harmful if inhaled.**LD/LC50 values relevant for classification:****ATE (Acute Toxicity Estimates)**

Dermal	LD50	>12,593-≤14,167 mg/kg (rabbit)
Inhalative	LC50/4 h (vapour)	>16.7-≤20 mg/l

CAS: 78-93-3 methyl ethyl ketone

Oral	LD50	3,300 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	>5,000 mg/kg (rat)
------	------	--------------------

(Contd. on page 11)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 10)

Dermal	LD50	>5,000 mg/kg (rat)
Inhalative	LC50 (4h)	1,805.05 ppm (rat)
CAS: 1330-20-7 xylene		
Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	1,700 mg/kg (rabbit)
Inhalative	LC50 (4h)	5,000 ppm (rat)
CAS: 26471-62-5 m-tolidene diisocyanate		
Oral	LD50	4,130 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)

Skin corrosion/irritation Causes skin irritation.**Serious eye damage/irritation**

Potentially irritant

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.**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**

The product is classified as Specific Target Organ Toxicity after single exposure Category 3

May cause drowsiness or dizziness.

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.**Additional toxicological information:****Sensitisation** Sensitization possible through skin contact**Repeated dose toxicity** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

*

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****CAS: 108-65-6 2-methoxy-1-methylethyl acetate**

EC50 (48h) 8.8 mg/l (crustacean)

LC50 (96h) 6.83 mg/l (fis)

CAS: 1330-20-7 xylene

EC50 (48h) >7.4 mg/l (daphnia magna)

LC50 (96h) 2.6 mg/l (fis)

NOEC r (72h) 440 mg/l (algae)

CAS: 26471-62-5 m-tolidene diisocyanate

EC50 (48h) 12.5 mg/l (daphnia magna)

(Contd. on page 12)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 11)

LC50 (96h) 133 mg/l (Oncorhynchus mykiss)

12.2 Persistence and degradability

Xylene

Water solubility. mg/l 100 - 1000

2-methoxy-1-methylethyl acetate

Water solubility > 10000 mg/l

Readily biodegradable

m-tolylidene diisocyanate

Water solubility 0,1 mg/l

Endogenous biodegradable

Butanone

Water solubility > 10000 mg/l

Readily biodegradable

4-isocyanatosulphonytoluene

Water solubility. mg/l 1000 - 10000

Readily biodegradable

12.3 Bioaccumulative potential

Xylene

LogKow=3.12 / BCF=25.9

2-methoxy-1-methylethyl acetate

LogKow=1.2

m-tolylidene diisocyanate

LogKow=3.43

Butanone

LogKow=0.3

4-isocyanatosulphonytoluene

LogKow=0.6

12.4 Mobility in soil No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.**12.7 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations

Contact manufacturer for recycling information.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

*

SECTION 14: Transport information**14.1 UN number or ID number**

ADR, IMDG, IATA

UN1866

(Contd. on page 13)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 12)

14.2 UN proper shipping name**ADR**

1866 RESIN SOLUTION, special provision 640C

IMDG, IATA

RESIN SOLUTION

14.3 Transport hazard class(es)**ADR, IMDG, IATA****Class**

3 Flammable liquids.

Label

3

14.4 Packing group**ADR, IMDG, IATA**

II

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code):

33

EMS Number:F-E,S-E**Stowage Category**

B

14.7 Maritime transport in bulk according to IMO**instruments**

Not applicable.

Transport/Additional information:**ADR****Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Transport category

2

Tunnel restriction code

D/E

IMDG**Limited quantities (LQ)**

5L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":UN 1866 RESIN SOLUTION, SPECIAL PROVISION
640C, 3, II

*

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

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as amended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as amended

(Contd. on page 14)

GB

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 13)

Directive 2012/18/EU**Named dangerous substances - ANNEX I** Substance is not listed.**Seveso category** P5c FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 74**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

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

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H351 Suspected of causing cancer.
- H412 Harmful to aquatic life with long lasting effects.
- EUH014 Reacts violently with water.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH204 Contains isocyanates. May produce an allergic reaction.

Department issuing SDS:

SUST
CHEM
CONSULTING SUSTCHEM S.A.
 REACH & Chemical Services Department
 A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece
 T: +30 210 8252510 | F: +30 210 8252575
 W: www.sustchem.gr | E: info@suschem.gr

Version number of previous version: 5**Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

(Contd. on page 15)

Safety data sheet
complying with Regulation 1907/2006/EC (REACH Regulation),
EU 2020/878 and Regulation No 1272/2008/EC (CLP)

Printing date 16.02.2022

Version number 6 (replaces version 5)

Revision: 16.02.2022

Trade name: U-PRIMER 110

(Contd. of page 14)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

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

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

GB