

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

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

1.1 Product identifier

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

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

Identified use: professional use.
Uses advised against: do-it-yourself use

Application of the substance / the mixture

Hardening agent/ Curing agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Abcon Industrial Products Ltd,
CavMac Hose Building, Cavan Road,
Cootehill. Co Cavan
Tel. +353 49 5552340
sales@abconireland.com

Further information obtainable from:

sales@abconireland.com

1.4 Emergency telephone number:

+353 49 5552340 (9:00-17:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS07

Acute Tox. 4 H332 Harmful if inhaled.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to

Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS02 GHS07

Signal word

Warning

Hazard-determining components of labelling:

hexamethylene diisocyanate homopolymer
2-methoxy-1-methylethyl acetate
tosyl isocyanate
hexamethylene-di-isocyanate

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 1)

Hazard statements	H226	Flammable liquid and vapour.
	H332	Harmful if inhaled.
	H317	May cause an allergic skin reaction.
	H335-H336	May cause respiratory irritation. 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 mist/vapours/spray.
	P271	Use only outdoors or in a well-ventilated area.
	P280	Wear protective gloves.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Additional information:	EUH066 Repeated exposure may cause skin dryness or cracking. Contains isocyanates. May produce an allergic reaction.	

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 28182-81-2	hexamethylene diisocyanate homopolymer	50-100%
NLP: 500-060-2	⚠ Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	
Reg.nr.: 01-2119488934-20		
01-2119485796-17		
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	15-25%
EINECS: 203-603-9	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	
Reg.nr.: 01-2119475791-29		
CAS: 123-86-4	n-butyl acetate	10-<20%
EINECS: 204-658-1	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066	
Reg.nr.: 01-2119485493-29		
CAS: 4083-64-1	tosyl isocyanate	0.1-<1%
EINECS: 223-810-8	⚠ Resp. Sens. 1, H334; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335,	
Reg.nr.: 01-2119980050-47	EUH014, EUH204	
	Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 %	
	STOT SE 3; H335: C ≥ 5 %	
	Skin Irrit. 2; H315: C ≥ 5 %	
CAS: 822-06-0	hexamethylene-di-isocyanate	<0.1%
EINECS: 212-485-8	⚠ Acute Tox. 1, H330; ⚠ Resp. Sens. 1, H334; ⚠ Acute Tox. 4, H302; Skin Irrit. 2,	
Reg.nr.: 01-2119457571-37	H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204	
	Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 %	
	Skin Sens. 1; H317: C ≥ 0.5 %	

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 2)

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
 Immediately remove any clothing soiled by the product.
 In case of irregular breathing or respiratory arrest provide artificial respiration.
 Take affected persons out of danger area and lay down.
 Supply fresh air and to be sure call for a doctor.

After inhalation: 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.

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

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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: 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

Can form explosive gas-air mixtures.
 Formation of toxic gases is possible during heating or in case of fire.
 Hydrogen cyanide (HCN)
 Vapours of isocyanates.
 Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.
 Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.
 Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 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.
 Ensure adequate ventilation
 Keep away from ignition sources.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 3)

- 6.2 Environmental precautions:** *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).
Do not flush with water or aqueous cleansing agents.
Dispose of the material collected according to regulations.*
- 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.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Do not inhale gases / fumes / aerosols.
Do not eat, drink, smoke or sniff while working.
Do not allow to enter sewers/ surface or ground water.*

Information about fire - and explosion protection:

*Keep ignition sources away - Do not smoke.
Fumes can combine with air to form an explosive mixture.*

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Information about storage in one common storage facility:

*Store away from foodstuffs.
Store away from oxidising agents.*

Further information about storage conditions:

*Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.*

7.3 Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

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

WEL (Great Britain) *Short-term value: 548 mg/m³, 100 ppm*

Long-term value: 274 mg/m³, 50 ppm

Sk

IOELV (EU)

Short-term value: 550 mg/m³, 100 ppm

Long-term value: 275 mg/m³, 50 ppm

Skin

123-86-4 n-butyl acetate

WEL (Great Britain) *Short-term value: 966 mg/m³, 200 ppm*

Long-term value: 724 mg/m³, 150 ppm

IOELV (EU)

Short-term value: 723 mg/m³, 150 ppm

Long-term value: 241 mg/m³, 50 ppm

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 4)

4083-64-1 tosyl isocyanate

WEL (Great Britain) Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO

822-06-0 hexamethylene-di-isocyanate

WEL (Great Britain) Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO

Regulatory information WEL (Great Britain): EH40/2020
IOELV (EU): (EU) 2019/1831

DNELs

28182-81-2 hexamethylene diisocyanate homopolymer

Inhalative DNEL 1 mg/m³ (acute - local effects, workers)
0.5 mg/m³ (long-term - local effects, workers)

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

Dermal DNEL 153.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 275 mg/m³ (long-term - systemic effects, workers)

123-86-4 n-butyl acetate

Dermal DNEL 7 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 960 mg/m³ (acute - systemic effects, workers)
960 mg/m³ (acute - local effects, workers)
480 mg/m³ (long-term - systemic effects, workers)
480 mg/m³ (long-term - local effects, workers)

4083-64-1 tosyl isocyanate

Dermal DNEL 0.92 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 3.24 mg/m³ (long-term - systemic effects, workers)

822-06-0 hexamethylene-di-isocyanate

Inhalative DNEL 0.07 mg/m³ (acute - systemic effects, workers)
0.07 mg/m³ (acute - local effects, workers)
0.035 mg/m³ (long-term - systemic effects, workers)
0.035 mg/m³ (long-term - local effects, workers)

PNECs

28182-81-2 hexamethylene diisocyanate homopolymer

PNEC 0.127 mg/l (freshwater environment)
0.0127 mg/l (marine environment)
1.27 mg/l (intermittent releases)
38.3 mg/l (sewage treatment plants)
PNEC 266,700 mg/kg (freshwater sediment environment)
26,670 mg/kg (marine sediment environment)
53,182 mg/kg (soil)

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 5)

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

PNEC 0.635 mg/l (freshwater environment)
 0.0635 mg/l (marine environment)
 6.35 mg/l (intermittent releases)
 100 mg/l (sewage treatment plants)
 PNEC 3.29 mg/kg (freshwater sediment environment)
 0.329 mg/kg (marine sediment environment)

123-86-4 n-butyl acetate

PNEC 0.18 mg/l (freshwater environment)
 0.018 mg/l (marine environment)
 0.36 mg/l (intermittent releases)
 35.6 mg/l (sewage treatment plants)
 PNEC 0.981 mg/kg (freshwater sediment environment)

4083-64-1 tosyl isocyanate

PNEC 0.03 mg/l (freshwater environment)
 0.003 mg/l (marine environment)
 0.3 mg/l (intermittent releases)
 0.4 mg/l (sewage treatment plants)
 PNEC 0.0172 mg/kg (marine environment)
 0.172 mg/kg (freshwater sediment environment)
 0.0168 mg/kg (soil)

822-06-0 hexamethylene-di-isocyanate

PNEC 0.0774 mg/l (freshwater environment)
 0.00774 mg/l (marine environment)
 0.774 mg/l (intermittent releases)
 8.42 mg/l (sewage treatment plants)
 PNEC 0.01334 mg/kg (freshwater sediment environment)
 0.001344 mg/kg (marine sediment environment)
 0.0026 mg/kg (soil)

Ingredients with biological limit values:

822-06-0 hexamethylene-di-isocyanate

BMGV (Great Britain) 1 µmol creatinine/mol
 Medium: urine
 Sampling time: At the end of the period of exposure
 Parameter: isocyanate-derived diamine

Regulatory information BMGV (Great Britain): EH40/2011

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

8.2 Exposure controls
Appropriate engineering controls

No further data; see item 7.

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 6)

Individual protection measures, such as personal protective equipment**General protective and hygienic****measures:**

Ensure good ventilation/exhaustion at the workplace.
 Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
 Keep ignition sources away - Do not smoke.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.
 Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 A2/P2 filter

Hand protection

Protective gloves
 Check the permeability prior to each renewed use of the glove.
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 When choosing protective gloves, the breakthrough time, rate of penetration and degradation (EN 374) should be taken into account.

Material of gloves

Butyl rubber, BR
 Nitrile rubber, NBR
 PVA gloves
 Recommended material thickness: ≥ 0.7 mm
 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 can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Permeation level and breakthrough time: level 6 ≥ 480 min.
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Tightly sealed goggles

Body protection:

Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information**

Physical state	Fluid
Colour:	Colourless/ yellow
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	124-128 °C (123-86-4 n-butyl acetate)
Flammability	Flammable.
Lower and upper explosion limit	
Lower:	1.2 Vol % (123-86-4 n-butyl acetate)
Upper:	15 Vol % (123-86-4 n-butyl acetate)
Flash point:	>23 °C
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 7)

Solubility

water:	Reacts with water.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	10.7 hPa (123-86-4 n-butyl acetate)
Density and/or relative density	
Density at 20 °C:	1.04-1.06 g/cm ³
Vapour density	Not determined.

9.2 Other information**Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Auto-ignition temperature:**

Not determined.

Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Change in condition**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	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

No decomposition if used according to specifications.

10.2 Chemical stability

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with water.

Reacts with alkali, amines and strong acids.

Reacts with oxidising agents.

Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid

Protect from heat and direct sunlight.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

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

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 8)

SECTION 11: Toxicological information

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

Acute toxicity Harmful if inhaled.

LD/LC50 values relevant for classification:

28182-81-2 hexamethylene diisocyanate homopolymer

Oral LD50 >2,500 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

Inhalative ATE 1.5 mg/l (dust/ mist)

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

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

Dermal LD50 >5,000 mg/kg (rabbit)

Inhalative LC50/6 h 4,345 mg/l (rat)

123-86-4 n-butyl acetate

Oral LD50 10,760 mg/kg (rat)

Dermal LD50 >14,000 mg/kg (rabbit)

Inhalative LC50/4 h 23.4 mg/l (rat)

4083-64-1 tosyl isocyanate

Oral LD50 2,330 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

822-06-0 hexamethylene-di-isocyanate

Oral LD50 746 mg/kg (rat)

Dermal LD50 >7,000 mg/kg (rat)

Inhalative ATE 0.005 mg/l (dust/ mist)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation 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 May cause respiratory irritation. 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.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 9)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

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

LC50/96 h >100 mg/l (fish)
 EC50/48 h >500 mg/l (*Daphnia magna*)
 EC20/30 min >1,000 mg/l (microorganisms)
 EC50/72 h >1,000 mg/l (*Pseudokirchnerella subcapitata*)
 EC50 >100 mg/l (*Pseudokirchnerella subcapitata*)
 >100 mg/l (*Pimephales promelas*)
 >100 mg/l (*Daphnia magna*)

123-86-4 n-butyl acetate

LC50/96 h 18 mg/l (*Pimephales promelas*)
 TT/16 h 115 mg/l (*Pseudomonas putida*)
 EC50/48 h 44 mg/l (*daphnia*)
 EC50/72 h 675 mg/l (algae)

4083-64-1 tosyl isocyanate

EC50/48 h >100 mg/l (*Daphnia magna*)
 EC50/72 h 30 mg/l (*Pseudokirchnerella subcapitata*)
 LC50/48 h >45 mg/l (fish)

822-06-0 hexamethylene-di-isocyanate

EC50/3 h 842 mg/l (microorganisms)
 ECO/48 h ≥89.1 mg/l (*Daphnia magna*)
 LCO/96 h ≥82.8 mg/l (fish)
 EC50/72 h >77.4 mg/l (*Desmodesmus subspicatus*)

12.2 Persistence and degradability

28182-81-2 hexamethylene diisocyanate homopolymer

Biodegradation 1 % (not readily biodegradable) (OECD 301 C, 28 d, aerobic)

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

Biodegradation 100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)

123-86-4 n-butyl acetate

Biodegradation 83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)

4083-64-1 tosyl isocyanate

Biodegradation 86 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)

822-06-0 hexamethylene-di-isocyanate

Biodegradation 42 % (not readily biodegradable) (OECD 301 F, 28 d, aerobic)

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 10)

12.3 Bioaccumulative potential

28182-81-2 hexamethylene diisocyanate homopolymer

BCF 3.2 (-)

log Kow 9.81 (Kow)

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

log Pow 0.56

123-86-4 n-butyl acetate

BCF 15.3 (-)

log Pow 2.3

822-06-0 hexamethylene-di-isocyanate

BCF 57.63 (-)

log Kow 3.2

12.4 Mobility in soil

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

Koc 1.7

123-86-4 n-butyl acetate

log Koc 1.27

822-06-0 hexamethylene-di-isocyanate

log Koc 0.679

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

European waste catalogue

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

(Contd. on page 12)

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 11)

SECTION 14: Transport information

14.1 UN number or ID number	
ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name	
ADR	1263 PAINT RELATED MATERIAL
IMDG, IATA	PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
	
Class	3
Label	3
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	F-E, S-E
Stowage Category	A
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

Transport/Additional information:

ADR	
Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E

IMDG	
Limited quantities (LQ)	5L
UN "Model Regulation":	UN 1263 PAINT RELATED MATERIAL, 3, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Directive 2012/18/EU	
Named dangerous substances - ANNEX I	None of the ingredients is listed.
Seveso category	P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements	5,000 t

(Contd. on page 13)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.10.2022

V- 1.0

Revision: 06.10.2022

Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 12)

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

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The above information is based on currently available data characterising the product. They do not constitute a guarantee or quality specification. It should be regarded as a guideline for safe use, storage, transport, disposal in case of release into the environment. It is the responsibility of the user to create conditions for the safe use of the product and the user accepts responsibility for any consequences resulting from improper use of this product.

Relevant phrases	H226	Flammable liquid and vapour.
	H302	Harmful if swallowed.
	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.
	EUH014	Reacts violently with water.
	EUH066	Repeated exposure may cause skin dryness or cracking.
	EUH204	Contains isocyanates. May produce an allergic reaction.

(Contd. on page 14)

Safety data sheet
according to 1907/2006/EC, Article 31

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V- 1.0

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Trade name: Diamond Clear Extreme Hardener, 7400.10210 500ml, 7400.10103 2.5L

(Contd. of page 13)

Classification according to Regulation (EC) No 1272/2008

Flammable liquids

Bridging principles

Acute toxicity - inhalation

Skin sensitisation

Specific target organ toxicity (single exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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
CAS: chemical number assigned to the chemical in the Chemical Abstracts Service list
DNEL: Derived No-Effect Level
PNEC: Predicted No-Effect Concentration
LC50: median lethal concentration
LD50: lethal dose 50%
PBT: persistent, bioaccumulative and toxic
vPvB: very persistent and very bioaccumulative
Flam. Liq. 3: Flammable liquid substance. Hazard category 3
Acute Tox. 1: Acute toxicity. Hazard category 1
Acute Tox. 4: Acute toxicity. Hazard category 4
Skin Irrit. 2: Skin corrosion/irritation. Hazard category 2
Eye Irrit. 2: Serious eye damage/eye irritation. Hazard category 2
Resp. Sens. 1: Respiratory sensitisation. Hazard category 1
Skin Sens. 1: Skin sensitisation. Hazard category 1
STOT SE 3: Toxic effects on target organs - single exposure. Hazard category 3

Sources

European Chemicals Agency, <http://echa.europa.eu/>