



CLADIT+ GLOSS PG77

A high performance two pack polyurethane solvent based finish

Recommended Areas of Use

As a highly weather & water resistant finish on suitably primed steel and non-ferrous substrates. This product produces a tough, hard wearing coating that is recoatable even after long periods of exposure. This product is intended for professional use only.

Certificates & Approvals

Manufactured under the auspices of an ISO 9001:2008 quality & ISO 14001:2004 environmental management systems.

2004/42/EC EU limit value for this product (cat.A/j sb): 500g/l (2010). This product contains max. 335 g/l VOC.

Properties

Gloss	Full gloss (> 90%)	Surface dry	1 hour
Theoretical Coverage	12 m ² /L/coat	Minimum over coating time	12 hours minimum
Recommended number of coats	1 to 2 coats, depending upon desired build.	Maximum over coating time	Unlimited
Density	1.30 kg/L	Minimum application conditions	Down to 0°C, but RH < 65% (but must be 3°C above dew point)
Volume solids	56% (mixed)	Shelf life	12 months minimum in original unopened containers.
Flash point (Abel closed cup)	28°C		
VOC	335 g/L	Colour range	British Standard & RAL
Thinner / Cleaning	Bradite Thinner TP33	Mix Ratio	Base & Activator tins are supplied pre-measured. For part mixing use: 7:1 (v/v) or 100:12 pbw
Pot Life	6 hours		
Recommended wet film thickness	90 microns/coat	Recommended dry film thickness	50 microns/coat

Suitable Surfaces

For internal & external steel & non-ferrous substrates which are dry, free of contamination and have been properly prepared and primed. May also be applied to wood, fibreglass, concrete and other mineral surfaces that are properly prepared and free of contamination, dust and efflorescence. Compatibility with existing coatings should be confirmed by preparing and painting a test patch. [Note, not suitable for applying over asphalt, bitumen, epoxy tar, alkyd, chlorinated rubber or vinyl based paints.]

Application Information

Application and use should always conform to the codes of practice described in BS 6150 and BS 5493.

Brush and Roller – supplied ready for use. Thin, if required, with 0 - 5% Bradite Thinner TP33.

Conventional Air Spraying - Thin with 5 - 15% Bradite Thinner TP33 as required, tip size – 1.5mm, tip pressure 60psi (0.4MPa) approximately.

Airless Spraying - Thin with 0 - 10% Bradite Thinner TP33 as required, tip size - 13 thou (0.33mm) approximately, tip pressure - 2100 psi (15MPa) approximately.

Cleaning

Clean all equipment immediately after use with Bradite Thinner TP33 for best results.

Specifications

Preparation – industrial protective coating

High pressure steam cleaning to remove all loose, flaking paint and contamination back to a sound surface. Bradite TD39 industrial strength detergent, washing and rinsing should be used with scrubbing to remove grease or oil.

For new or total repair, steel should be blast cleaned to SIS Sa 2^{1/2} minimum with a blast profile of 35-50 microns. (For maintenance repair, sweep blast or mechanically abrade existing coating to provide a key. Damaged or rusty areas should be blast cleaned to SIS Sa 2^{1/2} or mechanically to SIS St 3 minimum).

1st coat	Bradite Surface Tolerant Epoxy Primer EP92*
2nd coat	Bradite HB MIO Epoxy Build Finish EM97
3rd coat	Bradite CLADIT+ Gloss PG77
4th coat	Bradite CLADIT+ Gloss PG77

* Substitute with Bradite Barrier Primer EU96 on galvanised metal, aluminium and other non-ferrous metal surfaces.

For maintenance painting the 1st coat will be a touch up to bare areas only.

Preparation – wet blasted steel

High pressure steam cleaning to remove all loose, flaking paint and contamination back to a sound surface. Bradite TD39 industrial strength detergent, washing and rinsing should be used with scrubbing to remove grease or oil.

Steel should be wet blast cleaned to SIS Sa 2^{1/2} minimum with a blast profile of 35-50 microns then rinsed with fresh water, with excess water being blown off with oil free compressed air. (For maintenance repair, wet blast as previous, feather existing coating to a sound edge and abrade to provide a key.)

Painting System

1st coat	Bradite Surface Tolerant Epoxy Primer EP92
2nd coat	Bradite HB MIO Epoxy Build Finish EM97
3rd coat	Bradite CLADIT+ Gloss PG77

For maintenance painting the 1st coat will be a touch up to bare areas only.

Preparation - cladding

High pressure water cleaning to remove all loose and flaking paint and contamination back to a sound substrate. Bradite TD39 industrial strength detergent washing and rinsing should be used with scrubbing to remove grease or oil.

Check & confirm adhesion of apparently sound cladding coating by carrying out cross hatch adhesion test to all elevations. If adhesion is suspect then elevation should be completely stripped of old coating and repainted.

Intact areas of existing coatings should, ideally, be roughened by manual or mechanical sanding. Feather back exposed areas to a sound coating edge. Cracks and pits should be filled using a suitable filler before painting. Substrate should be dust free and completely dry before coating.

Exposed ferrous substrate should be blast cleaned to SIS Sa2^{1/2} or manually cleaned to SIS St3, then patch primed with Bradite Surface Tolerant Epoxy Primer EP92*.

Painting System

Priming coat	Bradite Surface Tolerant Epoxy Primer EP92 [if required]*
1st coat	Bradite CLADIT+ Gloss PG77
2nd coat	Bradite CLADIT+ Gloss PG77

* For non-ferrous surfaces use, Bradite Barrier Primer EU96 instead.

Summary Safety Information

Always refer to the Health and Safety sheet for the product before use, and observe the warning phrases on the label.

Disclaimer - The information on this data sheet is correct to the best of our knowledge and experience. Bradite reserves the right to modify data contained herein, without notice. The information supplied does not absolve users from responsibility to carry out their own tests and experiments, nor does it imply any legally binding assurance of certain properties or suitability for any specific purpose. Conditions of service and application may be beyond our control, so no liability whatsoever can be accepted on the basis of the information supplied herein.

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

1.1. Product identifier

Product name: CLADIT+ GLOSS

Product code: PG77

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company name: Bradite Paints
Ogwen Valley Works
Bethesda
Gwynedd
LL57 4YP
United Kingdom

Tel: +44 (0)1248 600315

Fax: +44 (0)1248 602782

Email: sales@bradite.com

1.4. Emergency telephone number

Emergency tel: +44 (0)1248 600315
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Flam. Liq. 3: H226; STOT SE 3: H335

Most important adverse effects: Flammable liquid and vapour. May be fatal if swallowed and enters airways. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H335: May cause respiratory irritation.
H411: Toxic to aquatic life with long lasting effects.

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental

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Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-199-0	64742-95-6	-	Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411	10-30%

1,2,4-TRIMETHYLBENZENE

202-436-9	95-63-6	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	1-10%
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DI-N-BUTYL TIN DILAURATE - REACH registered number(s): 01-2119496068-27-XX

201-039-8	77-58-7	-	Skin Irrit. 2: H315; STOT RE 2: H373; Aquatic Chronic 1: H410; Eye Irrit. 2: H319	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

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

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

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

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

[cont...]

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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 pain.

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.

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: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Alcohol or polymer foam. Dry chemical powder. Do not use water.

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.

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.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

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

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

Storage quantity limits: 250 L

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7.3. Specific end use(s)

Specific end use(s): PC9a: Coatings and paints, thinners, paint removers.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

1,2,4-TRIMETHYLBENZENE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	125 mg/m ³	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Gloves (solvent-resistant).

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Various

Odour: Characteristic odour

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Not miscible

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Boiling point/range°C: 162 - 181

Melting point/range°C: Not applicable.

Flammability limits %: lower: 0.8

upper: 7.5

Flash point°C: 43

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: 450

Vapour pressure: 0.29 kPa @ 20 deg C

Relative density: 1.29

pH: Not applicable.

VOC g/l: 340

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9.2. Other information

Other information: Not applicable.

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.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong acids. Strong bases. Strong oxidising agents.

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:

LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

ORL	RAT	LD50	8400	mg/kg
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1,2,4-TRIMETHYLBENZENE

IPR	RAT	LDLO	1752	mg/kg
ORL	RAT	LD50	5	gm/kg

DI-N-BUTYLTIN DILAURATE

ORAL	RAT (female)	LD50	3312	mg/kg
ORAL	RAT (male)	LD50	1976	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
STOT-single exposure	INH	Hazardous: calculated

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Aspiration hazard	-	Hazardous: calculated
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Symptoms / routes of exposure

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

Eye contact: There may be irritation and pain.

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.

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

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

DI-N-BUTYL TIN DILAURATE

Daphnia magna	48H EC50	0.66	mg/l
FISH	96H LC50	2	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

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: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

Recovery operations: Solvent reclamation/regeneration.

Waste code number: 08 01 11

Disposal of packaging: Retain for recovery.

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

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Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

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

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.

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

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that

[cont...]

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no other routes of exposure cause the hazard>.

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

H411: Toxic 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.

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

1.1. Product identifier

Product name: 2K PU ACTIVATOR (PG77, PC76, PL78)

Product code: See above

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company name: Bradite Paints
Ogwen Valley Works
Bethesda
Gwynedd
LL57 4YP
United Kingdom

Tel: +44 (0)1248 600315

Fax: +44 (0)1248 602782

Email: sales@bradite.com

1.4. Emergency telephone number

Emergency tel: +44 (0)1248 600315
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: STOT SE 3: H335; Acute Tox. 4: H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects: Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.

Signal words: Warning

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Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPLOYMER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	28182-81-2	-	STOT SE 3: H335; Acute Tox. 4: H332; Skin Sens. 1: H317	70-90%

2-METHOXY-1-METHYLETHYL ACETATE - REACH registered number(s): 01-2119475791-29

203-603-9	108-65-6	Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226	10-30%
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XYLENE

215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	1-10%
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ETHYLBENZENE

202-849-4	100-41-4	-	Flam. Liq. 2: H225; Acute Tox. 4: H332; STOT RE 2: H373; Asp. Tox. 1: H304	1-10%
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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.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

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

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Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. 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 pain. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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: Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Do not use water.

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.

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.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 13 of SDS.

Section 7: Handling and storage

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7.1. Precautions for safe handling

Handling requirements: Do not handle in a confined space. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition.

Suitable packaging: Must only be kept in original packaging.

Storage quantity limits: 250 L

7.3. Specific end use(s)

Specific end use(s): PC9a: Coatings and paints, thinners, paint removers.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPLOYMER

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02 mg/m3	0.07 mg/m3	-	-

2-METHOXY-1-METHYLETHYL ACETATE

UK	274 mg/m3	548 mg/m3	-	-
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XYLENE

UK	220 mg/m3	441 mg/m3	-	-
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ETHYLBENZENE

UK	441 mg/m3	552 mg/m3	-	-
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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

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

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Gloves (solvent-resistant).

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

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Odour: Sweet-smelling

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Reacts with water.

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Boiling point/range°C: 145

upper: 10.8

Part.coeff. n-octanol/water: No data available.

Vapour pressure: 8 hPa @ 20 deg C

pH: Not applicable.

Flammability limits %: lower: 1,5

Flash point°C: 38

Autoflammability°C: 460

Relative density: 1.07

VOC g/l: 268

9.2. Other information

Other information: Not applicable.

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.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong acids. Strong bases. Strong oxidising agents. Water.

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:

HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPLOYMER

ORAL	RAT	LD50	>5000	mg/kg
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2-METHOXY-1-METHYLETHYL ACETATE

IPR	MUS	LD50	750	mg/kg
ORL	RAT	LD50	8532	mg/kg

XYLENE

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

ETHYLBENZENE

IPR	MUS	LD50	2624	µl/kg
ORL	RAT	LD50	3500	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-single exposure	INH	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 pain. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPLOYMER

ALGAE	72H ErC50	>100	mg/l
Daphnia magna	48H EC50	>100	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	>100	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

[cont...]

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12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

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: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

Recovery operations: Solvent reclamation/regeneration.

Waste code number: 08 01 11

Disposal of packaging: Retain for recovery.

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

Section 14: Transport information

14.1. UN number

UN number: UN1263

14.2. UN proper shipping name

Shipping name: PAINT

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

[cont...]

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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

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

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.