

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/m ³	0.07 mg/m ³	-	-

2-METHOXY-1-METHYLETHYL ACETATE

UK	274 mg/m ³	548 mg/m ³	-	-
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XYLENE

UK	220 mg/m ³	441 mg/m ³	-	-
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ETHYLBENZENE

UK	441 mg/m ³	552 mg/m ³	-	-
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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.

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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

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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.