

SAFETY DATA SHEET

2K UNIVERSAL THINNER

Page: 1
Compilation date: 20/04/2020
Revision date: 20/04/2020
Revision No: 0

Sent to: Public Server Addition.

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

1.1. Product identifier

Product name: 2K UNIVERSAL THINNER

Synonyms: UNIVERSAL THINNERS

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

1.3. Details of the supplier of the safety data sheet

Use of substance / mixture: Solvent for industrial use. Automotive products.

Company name: Repair and Refinish Coatings Ltd
Unit 11 Langley Park, North Street
Langley Mill
Nottingham
NG164BS

Tel: 0333 772 1671

Email: jordan@repairandrefinish.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Emergency tel: 0333 772 1671 (Office Hours Only)

Classification under CLP: Skin Irrit. 2: H315; STOT SE 3: H336; Acute Tox. 4: H312+332; Flam. Liq. 3: H226

Most important adverse effects: Flammable liquid and vapour. Harmful in contact with skin or if inhaled. Causes skin irritation. May cause drowsiness or dizziness.

2.2. Label elements

Label elements:

Hazard statements: H226: Flammable liquid and vapour.

H312+332: Harmful in contact with skin or if inhaled.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

Signal words: Warning

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



SAFETY DATA SHEET

2K UNIVERSAL THINNER

Page: 2

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P260: Do not breathe vapours.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

XYLENE - REACH registered number(s): 01-2119488216-32

EINECS	CAS	PBT / WEL	CLP Classification	Percent
215-535-7	1330-20-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	50-70%

N-BUTYL ACETATE - REACH registered number(s): 01-2119485493-29

204-658-1	123-86-4	-	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	30-50%
-----------	----------	---	--	--------

1-METHOXY-2-PROPANOL

203-539-1	107-98-2	-	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%
-----------	----------	---	-------------------------------------	-------

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.

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 redness. 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.

[cont...]

SAFETY DATA SHEET

2K UNIVERSAL THINNER

Page: 3

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Immediate / special treatment: Not applicable.

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

5.3. Advice for fire-fighters

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

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

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. Do not use equipment in clean-up procedure which may produce sparks.

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: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

[cont...]

SAFETY DATA SHEET
2K UNIVERSAL THINNER

Page: 4

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Original container stored in a dry and cool place.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Specific end use(s): No data available.

Hazardous ingredients:

XYLENE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	220 mg/m3	441 mg/m3	-	-

N-BUTYL ACETATE

UK	724	966	-	-
----	-----	-----	---	---

1-METHOXY-2-PROPANOL

UK	375 mg/m3	560 mg/m3	-	-
----	-----------	-----------	---	---

DNEL/PNEC Values

Hazardous ingredients:

XYLENE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	442 mg/m3	Workers	Local
DNEL	Inhalation	180 mg/kg/day	Workers	Systemic
DNEL	Dermal	3182 mg/kg/day	Workers	Systemic
PNEC	Fresh water	0.327 mg/l	-	-
PNEC	Fresh water sediments	12.46 mg/kg	-	-
PNEC	Marine sediments	12.46 mg/kg	-	-
PNEC	Soil (agricultural)	2.31 mg/kg	-	-

N-BUTYL ACETATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	960 mg/m3	Workers	Local

[cont...]

SAFETY DATA SHEET
2K UNIVERSAL THINNER

Page: 5

DNEL	Inhalation	480 mg/m ³	Workers	Systemic
DNEL	Inhalation	859.7 mg/m ³	Consumers	Local
DNEL	Inhalation	102.34	Consumers	Systemic
PNEC	Fresh water	0.18 mg/l	-	-
PNEC	Marine water	0.018 mg/l	-	-
PNEC	Microorganisms in sewage treatment	35.6 mg/l	-	-
PNEC	Fresh water sediments	0.981 mg/kg	-	-
PNEC	Marine sediments	0.0981 mg/kg	-	-
PNEC	Soil (agricultural)	0.0903 mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

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

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Also soluble in: Most organic solvents.

Viscosity: No data available.

Boiling point/range°C: 119-140

Melting point/range°C: No data available.

Flammability limits %: lower: 1.7

upper: 11.5

Flash point°C: 23 - 55

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

Autoflammability°C: >270

Vapour pressure: No data available.

Relative density: 0.892

pH: No data available.

VOC g/l: No data available.

9.2. Other information

Section 10: Stability and reactivity

Other information: No data available.

[cont...]

SAFETY DATA SHEET
2K UNIVERSAL THINNER

Page: 6

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Chemical stability: Stable under normal conditions. Stable at room temperature.

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

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Materials to avoid: Strong oxidising agents. Strong acids.

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

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

XYLENE

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

N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

1-METHOXY-2-PROPANOL

IVN	RAT	LD50	4200	mg/kg
ORL	MUS	LD50	11700	mg/kg
ORL	RAT	LDLO	3739	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH DRM	Hazardous: calculated

[cont...]

SAFETY DATA SHEET
2K UNIVERSAL THINNER

Page: 7

Skin corrosion/irritation	DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

Symptoms / routes of exposure

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

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

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

Section 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Ecotoxicity values: No data available.

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

Bioaccumulative potential: No bioaccumulation potential.

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

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

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

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 RELATED MATERIAL

[cont...]

SAFETY DATA SHEET
2K UNIVERSAL THINNER

Page: 8

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

14.5. Environmental hazards

Packing group: III

Environmentally hazardous: No

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Specific regulations: Not applicable.

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: EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H312: Harmful in contact with skin.

H312+332: Harmful in contact with skin or if inhaled.

H315: Causes skin irritation.

H332: Harmful if inhaled.

H336: May cause drowsiness or dizziness.

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.