

# Safety Data Sheet

## DUREPOX 2K HARDENER



Safety Data Sheet dated 29/10/2024, Edition 2 - version 5  
Regulation (EU) n. 2020/878

---

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

#### 1.1. Product identifier

Identification of the mixture:

Trade name:	DUREPOX 2K HARDENER
Trade code:	D6202.000

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

Identified uses:

Hardener.

User:

Professional

Uses advised against:

All other uses.

#### 1.3. Details of the supplier of the safety data sheet

Company:

Manufacturer: Resene Automotive & Light Industrial Ltd

32 - 50 Vogel Street, Naenae, Wellington, NEW ZEALAND - tel. +6445770500 - e-mail: roger.hiini@rali.co.nz

NEW ZEALAND POISON CENTRE tel. +64 800 737363 (24 hours/ 7 days).

Distributor/Importer: BOERO BARTOLOMEO S.p.A. - Via Macaggi 19 - 16121 Genova - Tel. +39 010 55001 - Fax +39 010 5500305 - CF/P. IVA/REG. IMPRESE DI GENOVA 00267120103

Competent person responsible for the safety data sheet:

sicurezzaprodotti@boero.it

#### 1.4. Emergency telephone number

Boero Bartolomeo S.p.A. - Tel.+39 010 55001

opening hours: Monday - Tuesday 9.00 am - 5.00 pm

UK: in an emergency the enquirer should call NHS 111/24/Direct (free-to-call medical helplines) or a doctor.

MALTA: tel. 112

---

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Flam. Liq. 3, H226 Flammable liquid and vapour.

Acute Tox. 4, H332 Harmful if inhaled.

Skin Irrit. 2, H315 Causes skin irritation.

Eye Irrit. 2, H319 Causes serious eye irritation.

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

Skin Sens. 1, H317 May cause an allergic skin reaction.

Repr. 2, H361 Suspected of damaging fertility or the unborn child.

D6202.000/5

Page n. 1 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

STOT SE 3, H336 May cause drowsiness or dizziness.

STOT RE 2, H373 May cause damage to organs through prolonged or repeated exposure.

### 2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H226 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.

H361 Suspected of damaging fertility or the unborn child.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P202 Do not handle until all safety precautions have been read and understood.

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/clothing, eye/face protection and hearing 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 CO<sub>2</sub> or chemical powder. Never use water.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

PROF For professional use only.

Contains

poliesametilen diisocianato

toluene

reaction mass of ethylbenzene and xylene

hexamethylene-di-isocyanate

Special provisions according to Annex XVII of REACH and subsequent amendments:

As from 24 August 2023 adequate training is required before industrial or professional use.

### 2.3. Other hazards

Adverse physicochemical, human health and environmental effects:

The main adverse physical-chemical effects for human health and the environment are listed in accordance with Sections 9 to 12 of the safety data sheet

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other Hazards:

D6202.000/5

Page n. 2 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

No other hazards

---

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

N.A.

#### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 50% - < 55% poliesametilen diisocianato

CAS: 28182-81-2, EC: 500-060-2

Skin Sens. 1 H317 May cause an allergic skin reaction.

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

Acute Tox. 4 H332 Harmful if inhaled.

>= 30% - < 34% toluene

REACH No.: 01-2119471310-51-XXXX, CAS: 108-88-3, EC: 203-625-9

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

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

>= 10% - < 12.5% reaction mass of ethylbenzene and xylene

REACH No.: 01-2119539452-40-XXXX, EC: 905-588-0

Flam. Liq. 3 H226 Flammable liquid and vapour.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335 May cause respiratory irritation.

>= 5% - < 7% 2-methoxy-1-methylethyl acetate

Index number: 607-195-00-7, CAS: 108-65-6, EC: 203-603-9

Flam. Liq. 3 H226 Flammable liquid and vapour.

>= 0.25% - < 0.5% calcium oxide

REACH No.: 01-2119475325-36-XXXX, CAS: 1305-78-8, EC: 215-138-9

Met. Corr. 1 H290 May be corrosive to metals.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

>= 0.25% - < 0.5% hexamethylene-di-isocyanate

REACH No.: 01-2119457571-37-xxxx, Index number: 615-011-00-1, CAS: 822-06-0, EC: 212-485-8

Acute Tox. 4 H302 Harmful if swallowed.

D6202.000/5

Page n. 3 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

Eye Irrit. 2 H319 Causes serious eye irritation.  
STOT SE 3 H335 May cause respiratory irritation.  
Skin Irrit. 2 H315 Causes skin irritation.  
Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
Acute Tox. 1 H330 Fatal if inhaled.

Specific Concentration Limits:  
C >= 0,5%: Resp. Sens. 1 H334  
C >= 0,5%: Skin Sens. 1 H317

---

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do NOT induce vomiting.

Give nothing to eat or drink.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.

Protective measures for first responders

Please refer to section 8.2 of this safety data sheet for the PPE required for first responder interventions.

#### 4.2. Most important symptoms and effects, both acute and delayed

Causes skin irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

---

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:

In case of fire use CO2 or chemical powder. Never use water.

Extinguishing media which must not be used for safety reasons:

Do not use water jets

None in particular.

#### 5.2. Special hazards arising from the substance or mixture

Avoid inhaling the fumes.

#### 5.3. Advice for firefighters

EQUIPMENT

Normal fire-fighting apparel, such as an open-circuit compressed air breathing apparatus (EN

D6202.000/5

Page n. 4 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

137), flame-resistant coveralls (EN469), flame-resistant gloves (EN 659) and firefighter boots (HO A29 or A30).

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it.

Move undamaged containers from immediate hazard area if it can be done safely.

---

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Do not undertake any action that entails personal risk or without adequate training. Evacuate the surrounding areas. Do not touch or walk on spilled material. Wear suitable protective equipment (including the personal protective equipment under section 8.2 of this safety data sheet) to prevent contamination of skin, eyes and personal clothing. Wear a suitable breathing apparatus when ventilation is inadequate.

Do not inhale mist/vapours. Avoid dispersion of the product in the environment. Follow any relevant internal procedures for personnel not authorised to intervene directly in the case of accidental spillages.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

See protective measures under point 7 and 8.

For emergency responders:

Block the leak if not hazardous. Evacuate unauthorised personnel. Wear suitable protective equipment (consult section 8.2 of this safety data sheet). Follow the relevant internal procedures for authorised personnel. Isolate the hazardous area and prevent entry. Ventilate closed spaces before entering.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

#### 6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

#### 6.4. Reference to other sections

See also section 8 and 13

---

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Exercise the greatest care when handling or opening the container.

Adequately ventilated premises.

Use localized ventilation system.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Always keep the containers tightly closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

# Safety Data Sheet

## DUREPOX 2K HARDENER

Keep away from food, drink and feed.

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Adequately ventilated premises.

### 7.3. Specific end use(s)

See section 1.2

---

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

toluene - CAS: 108-88-3

EU - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: OTO; A4; BEI - CNS, visual & hearing impair; female repro system eff; pregnancy loss

HRGVI - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm

HRKGV - STEL: 384 mg/m<sup>3</sup>, 100 ppm

AT TLV-TWA (8 hours) - TWA(8h): 190 mg/m<sup>3</sup>, 50 ppm

AT TLV-STEL (shterm) - STEL: 380 mg/m<sup>3</sup>, 100 ppm

B TLV-TWA (8 hours) - TWA(8h): 77 mg/m<sup>3</sup>, 20 ppm - Notes: The absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air.

B TLV-STEL (sh term) - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air. 15 minutes average value .

DK TLV-TWA (8 hours) - TWA(8h): 94 mg/m<sup>3</sup>, 25 ppm - Notes: Skin.

DK TLV-STEL (shterm) - STEL: 188 mg/m<sup>3</sup>, 50 ppm - Notes: Skin. 15 minutes average value.

FI TLV-TWA (8 hours) - TWA(8h): 81 mg/m<sup>3</sup>, 25 ppm

FI TLV-STEL (shterm) - STEL: 380 mg/m<sup>3</sup>, 100 ppm - Notes: 15 minutes average value.

FR TLV-TWA (8 hours) - TWA(8h): 76.8 mg/m<sup>3</sup>, 20 ppm

FR TLV-STEL (shterm) - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: 15 minutes average value.

DE TLV-TWA(8hAGS) - TWA(8h): 190 mg/m<sup>3</sup>, 50 ppm - Notes: Skin.

DE TLV-STEL(stAGS) - STEL: 380 mg/m<sup>3</sup>, 100 ppm - Notes: Skin. 15 minutes average value.

DE TLV-TWA (8 hours) - TWA(8h): 190 mg/m<sup>3</sup>, 50 ppm - Notes: Skin.

DE TLV-STEL - STEL: 380 mg/m<sup>3</sup>, 100 ppm - Notes: Skin. 15 minutes average value.

HU TLV-TWA (8 hours) - TWA(8h): 190 mg/m<sup>3</sup> - Notes: Skin.

HU TLV-STEL (shterm) - STEL: 380 mg/m<sup>3</sup> - Notes: Skin. 15 minutes average value.

IR TLV-TWA - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm

IR TLV-STEL - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: 15 minutes average value.

VLE1 - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - Notes: Skin.

LV TLV-TWA (8 hours) - TWA(8h): 50 mg/m<sup>3</sup>, 14 ppm

LV TLV-STEL (shterm) - STEL: 150 mg/m<sup>3</sup>, 40 ppm - Notes: 15 minutes average value.

NO TLV-TWA (8 hours) - TWA(8h): 94 mg/m<sup>3</sup>, 25 ppm - Notes: Skin.

PL TLV-TWA (8 hours) - TWA: 100 mg/m<sup>3</sup> - Notes: Skin.

PL TLV-STEL (shterm) - STEL: 200 mg/m<sup>3</sup> - Notes: Skin. 15 minutes average value.

RO TLV-TWA (8 hours) - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm

RO TLV-STEL (shterm) - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: 15 minutes average value.

D6202.000/5

Page n. 6 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

ES TLV-TWA (8 hours) - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - Notes: Skin.

ES TLV-STEL (shterm) - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: Skin. 15 minutes average value.

MAK - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: 15 minutes average value.

CH TLV-TWA (8 hours) - TWA(8h): 190 mg/m<sup>3</sup>, 50 ppm

CH TLV-STEL (shterm) - STEL: 780 mg/m<sup>3</sup>, 200 ppm

NL TLV-TWA (8 hours) - TWA(8h): 159 mg/m<sup>3</sup>, 39 ppm

NL TLV-STEL (shterm) - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: 15 minutes average value.

GB TLV-TWA - TWA(8h): 191 mg/m<sup>3</sup>, 50 ppm - Notes: Skin.

GB TLV-STEL - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: Skin. 15 minutes average value.

reaction mass of ethylbenzene and xylene

EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

AGS - TWA(8h): 221 mg/m<sup>3</sup> - STEL((15 min)): 442 mg/m<sup>3</sup> - Notes: (Anm. H: Ämnet kan lätt upptas genom huden)

ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair

AGS - TWA(8h): 221 mg/m<sup>3</sup> - STEL((15 min)): 442 mg/m<sup>3</sup> - Notes: (Anm. H: Ämnet kan lätt upptas genom huden)

VLE1 - TWA(8h): 211 mg/m<sup>3</sup>, 50 ppm

VLE - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

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

EU - TWA(8h): 275 mg/m<sup>3</sup>, 50 ppm - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

HRGVI - TWA: 275 mg/m<sup>3</sup>, 50 ppm - Notes: koža

HRKGVI - STEL: 550 mg/m<sup>3</sup>, 100 ppm - Notes: koža

calcium oxide - CAS: 1305-78-8

EU - TWA(8h): 1 mg/m<sup>3</sup> - STEL: 4 mg/m<sup>3</sup> - Notes: Respirable fraction

ACGIH - TWA(8h): 5 mg/m<sup>3</sup> - Notes: Eye, URT and skin irr

HRGVI - TWA: 1 mg/m<sup>3</sup>

HRKGVI - STEL: 4 mg/m<sup>3</sup>

hexamethylene-di-isocyanate - CAS: 822-06-0

ACGIH - TWA(8h): 0.005 ppm - Notes: URT irr, resp sens

EU - TWA(8h): 0.006 mg/m<sup>3</sup> - STEL: 0.012 mg/m<sup>3</sup> - Notes: Skin; Dermal and respiratory sensitisation

DNEL Exposure Limit Values

toluene - CAS: 108-88-3

Worker Industry: 384 mg/m<sup>3</sup> - Consumer: 226 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 384 mg/m<sup>3</sup> - Consumer: 226 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 192 mg/m<sup>3</sup> - Consumer: 56.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 192 mg/m<sup>3</sup> - Consumer: 56.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 384 mg/kg - Consumer: 226 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

reaction mass of ethylbenzene and xylene

Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/m<sup>3</sup> - Exposure: Human Inhalation -

D6202.000/5

Page n. 7 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

Frequency: Short Term, local effects

Worker Industry: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 77 mg/m<sup>3</sup> - Consumer: 14.8 mg/m<sup>3</sup> - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects

Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

Worker Industry: 153.5 mg/kg - Worker Professional: 153.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/kg - Worker Professional: 275 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 54.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 33 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 1.67 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

hexamethylene-di-isocyanate - CAS: 822-06-0

Worker Industry: 0.035 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 0.07 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

### PNEC Exposure Limit Values

toluene - CAS: 108-88-3

Target: Fresh Water - Value: 0.68 mg/L

Target: Freshwater sediments - Value: 16.39 mg/L

Target: Soil (agricultural) - Value: 2.89 mg/kg

Target: Microorganisms in sewage treatments - Value: 13.61 mg/L

Target: Marine water sediments - Value: 16.39 mg/L

reaction mass of ethylbenzene and xylene

Target: Fresh Water - Value: 0.327 mg/L

Target: Marine water - Value: 0.327 mg/L

Target: Freshwater sediments - Value: 12.46 mg/kg

Target: Marine water sediments - Value: 12.46 mg/kg

Target: Microorganisms in sewage treatments - Value: 6.58 mg/L

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

Target: Fresh Water - Value: 0.635 mg/L

Target: Marine water - Value: 0.0635 mg/L

Target: Microorganisms in sewage treatments - Value: 100 mg/L

Target: Freshwater sediments - Value: 3.29 mg/kg

Target: Marine water sediments - Value: 0.329 mg/kg

### Biological Exposure Index

toluene - CAS: 108-88-3

Value: 1 mg/L - medium: Blood - Biological Indicator: Toluene in blood - Sampling Period: 1

Value: 0.83 5 - medium: 2 - Biological Indicator: Toluene in blood - Sampling Period: DU

Value: 2.5 4 - medium: Urine - Biological Indicator: 77 - Sampling Period: 1

Value: 1 1 - medium: Urine - Biological Indicator: o-Cresol in urine - Sampling Period: 1

reaction mass of ethylbenzene and xylene

Value: 1.50 mg/L - medium: Blood - Sampling Period: End of turn

Value: 1.50 gg creatinina - medium: Blood - Sampling Period: End of turn

D6202.000/5

Page n. 8 of 18



# Safety Data Sheet

## DUREPOX 2K HARDENER

### 8.2. Exposure controls

#### Appropriate engineering controls:

Given that the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective on-site extraction ventilation.

Personal protective equipment must bear CE marking certifying conformity with the standards in force.

Provide an emergency shower with an eyewash station.

Exposure levels should be kept as low as possible to avoid significant accumulation in the body. Manage personal protective equipment in order to ensure maximum protection (e.g. reducing replacement times).

#### Eye protection:

Use goggles/face mask certified UNI EN 166.

Use close fitting safety goggles, don't use eye lens.

#### Protection for skin:

Suitable protective clothing is required for complete skin protection: for example coveralls with long sleeves and trousers, rubber boots and apron, etc., according to UNI EN 14325.

#### Protection for hands:

Use protective gloves: waterproof rubber gloves certified UNI EN 374. Nitrile gloves provide good protection. Use care in selecting a penetration time of the gloves longer than the foreseen usage time.

#### Respiratory protection:

Use adequate protective respiratory equipment: a carbon filter mask with filters certified UNI EN 149 or dust masks certified UNI EN 140. Filters of types A and P types may be considered.

#### Thermal Hazards:

None

#### Environmental exposure controls:

See sections 6 and 13

---

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	transparent	--	--
Odour:	solvent-like	--	--
Odour threshold:	N. D.	--	--
Melting point/freezing point:	N. D.	--	--
Boiling point or initial boiling point and boiling range:	110 - 145	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper	N. D.	--	--

D6202.000/5

Page n. 9 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

explosion limit:			
Flash point:	33 °C	--	--
Auto-ignition temperature:	33 °C	--	--
Decomposition temperature:	N. D.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm <sup>2</sup> /sec (40 °C)	--	--
Viscosity (23°C±0.5°C)	min - max	--	--
Spindle:		--	--
Speed (rpm):		--	--
Solubility in water:	insoluble	--	--
Partition coefficient n-octanol/water (log value):	N. D.	--	--
Vapour pressure:	N. D.	--	--
Density and/or relative density:	1.9583	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

### 9.2. Other information

Properties	Value	Method:	Notes
Explosive properties:	sup (%) 39 - inf (%) 0.6	--	--
Evaporation rate:	N. D.	--	--
Miscibility:	N. D.	--	--
Conductivity:	N. D.	--	--
Oxidizing properties:	N. D.	--	--
Fat Solubility:	N. D.	--	--

# Safety Data Sheet

## DUREPOX 2K HARDENER

---

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction to report under normal conditions of use and storage (refer to section 7.2)

#### 10.2. Chemical stability

The product is stable under normal conditions of use and storage (refer to section 7.2).

#### 10.3. Possibility of hazardous reactions

None under normal conditions of use and storage (refer to section 7.2). Always keep containers tightly sealed.

#### 10.4. Conditions to avoid

Keep away from naked flames, sparks and heat sources. Avoid exposure to direct sunlight.

#### 10.5. Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

#### 10.6. Hazardous decomposition products

Gases and vapours potentially harmful to health may be released through thermal decomposition or in the event of fire.

---

### SECTION 11: Toxicological information

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

Toxicological information of the product:

DUREPOX 2K HARDENER

##### a) acute toxicity

The product is classified: Acute Tox. 4 H332

ATEmix - Inhalation (Mist) 1,07565 mg/l

##### b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

##### c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

##### d) respiratory or skin sensitisation

The product is classified: Resp. Sens. 1 H334; Skin Sens. 1 H317

##### e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

##### f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

##### g) reproductive toxicity

The product is classified: Repr. 2 H361

##### h) STOT-single exposure

The product is classified: STOT SE 3 H336

##### i) STOT-repeated exposure

The product is classified: STOT RE 2 H373

##### j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

# Safety Data Sheet

## DUREPOX 2K HARDENER

Toxicological information of the main substances found in the product:

reaction mass of ethylbenzene and xylene

a) acute toxicity:

Test: LD50 - Route: oral - Species: rat > 3523 mg/kg

Test: LD50 - Route: dermal - Species: rabbit > 2000 mg/kg

Test: LC50 - Route: inhalation - Species: rat > 27.571 mg/l - Duration: 4h

b) skin corrosion/irritation:

Test: Skin Irritant Positive

c) serious eye damage/irritation:

Test: Eye Irritant Positive

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

a) acute toxicity:

Test: LD50 - Route: oral - Species: rat > 5000 mg/kg

Test: LC50 - Route: inhalation - Species: rat > 10.6 mg/kg

Test: LD50 - Route: dermal - Species: rat > 2000 mg/kg

b) skin corrosion/irritation:

Test: Skin Corrosive - Species: rabbit Negative

hexamethylene-di-isocyanate - CAS: 822-06-0

a) acute toxicity:

Test: LC50 - Route: inhalation - Species: rat = 0.124 mg/l - Duration: 4h - Notes: OCSE 403

### 11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

---

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

DUREPOX 2K HARDENER

Not classified for environmental hazards

Based on available data, the classification criteria are not met

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 12.5 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia = mg/l - Duration h: 48

reaction mass of ethylbenzene and xylene

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.6 ml/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 2.2 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1.3 mg/l - Notes: 56 d

Endpoint: NOEC - Species: Daphnia = 0.74 mg/l - Notes: 7 d

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

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

D6202.000/5

Page n. 12 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

Endpoint: EC50 - Species: Daphnia > 400 mg/l - Duration h: 48

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

reaction mass of ethylbenzene and xylene

Biodegradability: Readily biodegradable - Notes: solubilità in acqua=146 mg/l

### 12.3. Bioaccumulative potential

There is no data available on the preparation itself.

reaction mass of ethylbenzene and xylene

Test: Kow - Partition coefficient 3.2 - Notes: mg/l

Test: BCF - Bioconcentration factor 25.9 - Notes: mg/l

### 12.4. Mobility in soil

There is no data available on the preparation itself.

reaction mass of ethylbenzene and xylene

Test: Koc 2.73 - Notes: mg/l

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

### 12.7. Other adverse effects

None

---

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Directives 91/156/CEE, 91/689/CEE, 94/62/CE.

EWC CODE 080111

Do not empty into drains, ground or waterways. Dispose of product residues and related containers at a collection point for hazardous or special waste or, where appropriate, through an authorized waste disposal company.

---

## SECTION 14: Transport information



### 14.1. UN number or ID number

ADR-UN Number: 1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

### 14.2. UN proper shipping name

ADR-Shipping Name: PAINT RELATED MATERIAL

IATA-Shipping Name: PAINT RELATED MATERIAL

IMDG-Shipping Name: PAINT RELATED MATERIAL

### 14.3. Transport hazard class(es)

ADR-Class: 3

D6202.000/5

Page n. 13 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

UN no.:	UN 1263
ADR - Hazard identification number:	30
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3
Erg-code:	3L

### 14.4. Packing group

ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III

### 14.5. Environmental hazards

ADR-Environmental Pollutant:	No
IMDG-Marine pollutant:	No
IMDG-EmS:	F-E , <u>S-E</u>

### 14.6. Special precautions for user

ADR-Subsidiary hazards:	-
ADR-S.P.:	163 367 650
ADR-Transport category (Tunnel restriction code):	3 (D/E)
ADR-Limited Quantities:	5 L
ADR-Excepted Quantities:	E1
IATA-Passenger Aircraft:	355
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	366
IATA-S.P.:	A3 A72 A192
IATA-ERG:	3L
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-

### 14.7. Maritime transport in bulk according to IMO instruments

N.A.

---

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EU) n. 2020/878

Dir. 89/391/CEE and subsequent amendments (Risks related to chemical agents at work and Occupational exposure limit values). Directive 1999/13/EC and subsequent amendments (limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations). Regulation (CE) n. 1907/2006 , Regulation (CE) 830/2015 and subsequent amendments (concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals - REACH). Regulation (CE) n.1272/2008 and subsequent amendments (on classification, labeling and packaging of substances and mixtures - CLP). International Maritime Dangerous Goods Code, IATA Dangerous Goods Regulation, International Carriage of Dangerous Goods by Road (ADR).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC)

D6202.000/5

Page n. 14 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

Restriction 48

Restriction 74

Restriction 75

Restriction 3 is not applicable because the mixture does not fall within the restrictions mentioned in Annex XVII of EC Regulation No. 1907/2006.

Restriction 40 is not applicable because the mixture does not fall within the restrictions mentioned in Annex XVII of EC Regulation No. 1907/2006.

Restriction 75 is not applicable because the mixture does not fall within the restrictions mentioned in Annex XVII of EC Regulation No. 1907/2006.

Where applicable, refer to the following regulatory provisions :

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products. Regulation UE No 649/2012 concerning the export and import of dangerous chemicals. Regulation UE n. 528/2012 concerning the making available on the market and use of biocidal products.

Directive 2012/18/EU (Seveso III)

Regulation (EC) No. 648/2004 (detergents).

Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products.

Regulation (EC) No 689/2006 concerning the export and import of dangerous chemicals.

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

---

## SECTION 16: Other information

Full text of phrases referred to in Section 3:

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

H317 May cause an allergic skin reaction.

Hazard class and hazard category	Code	Description
Met. Corr. 1	2.16/1	Substance or mixture corrosive to metals, Category 1
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 1	3.1/1/Inhal	Acute toxicity (inhalation), Category 1

D6202.000/5

Page n. 15 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Resp. Sens. 1	3.4.1/1	Respiratory Sensitisation, Category 1
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2

Paragraphs modified from the previous revision:

- SECTION 8: Exposure controls/personal protection
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 13: Disposal considerations

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
Flam. Liq. 3, H226	On basis of test data
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Resp. Sens. 1, H334	Calculation method

D6202.000/5

Page n. 16 of 18



# Safety Data Sheet

## DUREPOX 2K HARDENER

Skin Sens. 1, H317	Calculation method
Repr. 2, H361	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.

D6202.000/5

Page n. 17 of 18

# Safety Data Sheet

## DUREPOX 2K HARDENER

TLV: Threshold Limiting Value.  
TWA: Time-weighted average  
WGK: German Water Hazard Class.