

Safety Data Sheet

DUREPOX ACCELERATOR 62C



Safety Data Sheet dated 29/10/2024, Edition 2 - version 3
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 ACCELERATOR 62C
Trade code:	D6602.000

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

Identified uses:

Accelerator.

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. 2, H225 Highly flammable liquid and vapour.

Acute Tox. 4, H332 Harmful if inhaled.

Acute Tox. 4, H302 Harmful if swallowed.

Acute Tox. 4, H312 Harmful in contact with skin.

Skin Irrit. 2, H315 Causes skin irritation.

Eye Irrit. 2, H319 Causes serious eye irritation.

Muta. 2, H341 Suspected of causing genetic defects.

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Carc. 2, H351 Suspected of causing cancer.
Repr. 1B, H360 May damage fertility or the unborn child.
STOT SE 3, H336 May cause drowsiness or dizziness.
STOT RE 2, H373 May cause damage to organs through prolonged or repeated exposure.
EUH066 Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P201 Obtain special instructions before use.
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.
P280 Wear protective gloves/clothing, eye/face protection and hearing protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P370+P378 In case of fire use CO₂ or chemical powder. Never use water.
P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.
PROF For professional use only.

Contains

toluene
dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)]stannane
4-methylpentan-2-one; isobutyl methyl ketone
2-methoxy-1-methylethyl acetate

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

Restricted to professional users.

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

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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:

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:

$\geq 80\%$ - $< 90\%$ 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.

$\geq 5\%$ - $< 7\%$ 4-methylpentan-2-one; isobutyl methyl ketone

REACH No.: 01-2119473980-30-XXXX, Index number: 606-004-00-4, CAS: 108-10-1, EC: 203-550-1

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

Carc. 2 H351 Suspected of causing cancer.

Acute Tox. 4 H332 Harmful if inhaled.

STOT SE 3 H336 May cause drowsiness or dizziness.

Eye Irrit. 2 H319 Causes serious eye irritation.

EUH066 Repeated exposure may cause skin dryness or cracking.

Acute Toxicity Estimate:

ATE - Inhalation (Vapours) 11 mg/l

$\geq 5\%$ - $< 7\%$ dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)]stannane

Index number: 050-030-00-3, CAS: 77-58-7, EC: 201-039-8

Muta. 2 H341 Suspected of causing genetic defects.

Repr. 1B H360FD May damage fertility. May damage the unborn child.

STOT RE 1 H372 Causes damage to organs (immune system) through prolonged or repeated exposure.

$\geq 5\%$ - $< 7\%$ 2-methoxy-1-methylethyl acetate

REACH No.: 01-2119475791-29-XXXX, CAS: 108-65-6, EC: 203-603-9

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

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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

Harmful if swallowed.

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 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

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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.

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/m³, 50 ppm - STEL: 384 mg/m³, 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/m³, 50 ppm

HRKGV - STEL: 384 mg/m³, 100 ppm

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AT TLV-TWA (8 hours) - TWA(8h): 190 mg/m³, 50 ppm

AT TLV-STEL (shterm) - STEL: 380 mg/m³, 100 ppm

B TLV-TWA (8 hours) - TWA(8h): 77 mg/m³, 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/m³, 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/m³, 25 ppm - Notes: Skin.

DK TLV-STEL (shterm) - STEL: 188 mg/m³, 50 ppm - Notes: Skin. 15 minutes average value.

FI TLV-TWA (8 hours) - TWA(8h): 81 mg/m³, 25 ppm

FI TLV-STEL (shterm) - STEL: 380 mg/m³, 100 ppm - Notes: 15 minutes average value.

FR TLV-TWA (8 hours) - TWA(8h): 76.8 mg/m³, 20 ppm

FR TLV-STEL (shterm) - STEL: 384 mg/m³, 100 ppm - Notes: 15 minutes average value.

DE TLV-TWA(8hAGS) - TWA(8h): 190 mg/m³, 50 ppm - Notes: Skin.

DE TLV-STEL(stAGS) - STEL: 380 mg/m³, 100 ppm - Notes: Skin. 15 minutes average value.

DE TLV-TWA (8 hours) - TWA(8h): 190 mg/m³, 50 ppm - Notes: Skin.

DE TLV-STEL - STEL: 380 mg/m³, 100 ppm - Notes: Skin. 15 minutes average value.

HU TLV-TWA (8 hours) - TWA(8h): 190 mg/m³ - Notes: Skin.

HU TLV-STEL (shterm) - STEL: 380 mg/m³ - Notes: Skin. 15 minutes average value.

IR TLV-TWA - TWA(8h): 192 mg/m³, 50 ppm

IR TLV-STEL - STEL: 384 mg/m³, 100 ppm - Notes: 15 minutes average value.

VLE1 - TWA(8h): 192 mg/m³, 50 ppm - Notes: Skin.

LV TLV-TWA (8 hours) - TWA(8h): 50 mg/m³, 14 ppm

LV TLV-STEL (shterm) - STEL: 150 mg/m³, 40 ppm - Notes: 15 minutes average value.

NO TLV-TWA (8 hours) - TWA(8h): 94 mg/m³, 25 ppm - Notes: Skin.

PL TLV-TWA (8 hours) - TWA: 100 mg/m³ - Notes: Skin.

PL TLV-STEL (shterm) - STEL: 200 mg/m³ - Notes: Skin. 15 minutes average value.

RO TLV-TWA (8 hours) - TWA(8h): 192 mg/m³, 50 ppm

RO TLV-STEL (shterm) - STEL: 384 mg/m³, 100 ppm - Notes: 15 minutes average value.

ES TLV-TWA (8 hours) - TWA(8h): 192 mg/m³, 50 ppm - Notes: Skin.

ES TLV-STEL (shterm) - STEL: 384 mg/m³, 100 ppm - Notes: Skin. 15 minutes average value.

MAK - TWA(8h): 192 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: 15 minutes average value.

CH TLV-TWA (8 hours) - TWA(8h): 190 mg/m³, 50 ppm

CH TLV-STEL (shterm) - STEL: 780 mg/m³, 200 ppm

NL TLV-TWA (8 hours) - TWA(8h): 159 mg/m³, 39 ppm

NL TLV-STEL (shterm) - STEL: 384 mg/m³, 100 ppm - Notes: 15 minutes average value.

GB TLV-TWA - TWA(8h): 191 mg/m³, 50 ppm - Notes: Skin.

GB TLV-STEL - STEL: 384 mg/m³, 100 ppm - Notes: Skin. 15 minutes average value.

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

EU - TWA(8h): 83 mg/m³, 20 ppm - STEL: 208 mg/m³, 50 ppm

ACGIH - TWA(8h): 20 ppm - STEL: 75 ppm - Notes: A3, BEI - URT irr, dizziness, headache

VLE1 - TWA(8h): 83 mg/m³, 20 ppm

VLE - STEL: 208 mg/m³, 50 ppm

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HRKGVI - STEL: 208 mg/m³, 50 ppm

HRGVI - TWA: 83 mg/m³, 20 ppm

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

EU - TWA(8h): 275 mg/m³, 50 ppm - STEL: 550 mg/m³, 100 ppm - Notes: Skin

DNEL Exposure Limit Values

toluene - CAS: 108-88-3

Worker Industry: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 384 mg/m³ - Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 192 mg/m³ - Consumer: 56.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 192 mg/m³ - Consumer: 56.5 mg/m³ - 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

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

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

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

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

Value: 3.5 mg/L - medium: Urine - Biological Indicator: 82 - Sampling Period: Not critical

8.2. Exposure controls

Appropriate engineering controls:

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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:	110-120	--	--
Flammability:	Flam. Liq. 2, H225	--	--
Lower and upper explosion limit:	N. D.	--	--

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Flash point:	4 °C	--	--
Auto-ignition temperature:	4 °C	--	--
Decomposition temperature:	N. D.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm ² /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:	7	--	--
Density and/or relative density:	0.8700	--	--
Relative vapour density:	> 1	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Explosive properties:	sup (%) 6.9 - inf (%) 1.3	--	--
Evaporation rate:	0.5	--	--
Miscibility:	N. D.	--	--
Conductivity:	N. D.	--	--
Oxidizing properties:	N. D.	--	--
Fat Solubility:	N. D.	--	--

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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:

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a) acute toxicity

The product is classified: Acute Tox. 4 H332; Acute Tox. 4 H302; Acute Tox. 4 H312
ATEmix - Inhalation (Mist) 30 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

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

The product is classified: Muta. 2 H341

f) carcinogenicity

The product is classified: Carc. 2 H351

g) reproductive toxicity

The product is classified: Repr. 1B H360

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

Toxicological information of the main substances found in the product:

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4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

a) acute toxicity

ATE - Inhalation (Vapours) 11 mg/l

Test: LD50 - Route: oral - Species: rat = 2080 mg/kg

Test: LD50 - Route: dermal - Species: rabbit > 20 ml/kg

Test: LC50 - Route: inhalation - Species: rat = 2000-4000 Ppm - Duration: 4h

d) respiratory or skin sensitisation:

Test: Respiratory Tract Irritant

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

11.2. Information on other hazards

Endocrine disrupting properties:

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

Other information:

This material can cause inflammation of the skin on contact in some persons.

Accidental ingestion of the material may be harmful;

There is strong evidence to suggest that this material can cause, if inhaled once, very serious, irreversible damage of organs.

SECTION 12: Ecological information

12.1. Toxicity

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

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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

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 179 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 200 mg/l - Duration h: 48

Endpoint: NOEC - Species: Algae > 146 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

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

12.2. Persistence and degradability

There is no data available on the preparation itself.

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

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Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential

There is no data available on the preparation itself.

N.A.

12.4. Mobility in soil

There is no data available on the preparation itself.

N.A.

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

UN no.: UN 1263

ADR - Hazard identification number: 33

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

Erg-code: 3L

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- 14.4. Packing group
- | | |
|---------------------|----|
| ADR-Packing Group: | II |
| IATA-Packing group: | II |
| IMDG-Packing group: | II |
- 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 640C 650 |
| ADR-Transport category (Tunnel restriction code): | 2 (D/E) |
| ADR-Limited Quantities: | 5 L |
| ADR-Excepted Quantities: | E2 |
| IATA-Passenger Aircraft: | 353 |
| IATA-Subsidiary hazards: | - |
| IATA-Cargo Aircraft: | 364 |
| IATA-S.P.: | A3 A72 A192 |
| IATA-ERG: | 3L |
| IMDG-Subsidiary hazards: | - |
| IMDG-Stowage and handling: | Category B |
| 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) 1907/2006 (REACH) and subsequent modifications:
- Restrictions related to the product:
- Restriction 3
 - Restriction 40
- Restrictions related to the substances contained:
- Restriction 30
 - Restriction 48

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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

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
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 Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Muta. 2	3.5/2	Germ cell mutagenicity, Category 2
Carc. 2	3.6/2	Carcinogenicity, Category 2

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Repr. 1B	3.7/1B	Reproductive toxicity, Category 1B
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 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
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 13: Disposal considerations

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

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 2, H225	On basis of test data
Acute Tox. 4, H332	Calculation method
Acute Tox. 4, H302	Calculation method
Acute Tox. 4, H312	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Muta. 2, H341	Calculation method
Carc. 2, H351	Calculation method
Repr. 1B, H360	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:

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