

Safety Data Sheet

BETA EZI-SAND/BETA SPRINT UHS 2K PRIMER



Safety Data Sheet dated 20/9/2017, version 3

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

1.1. Product identifier

Mixture identification:

Trade name: BETA SPRINT HS PRIMER
Trade code: SDS EZI/SPRINT (BETAHSP35)

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

Recommended use:

Car refinish

Uses advised against:

All uses not included in the recommended uses

1.3. Details of the supplier of the safety data sheet

BETA COLOR SRL
Via Monte Sabotino, 71
20099 Sesto San Giovanni (MI) - Italy
Tel: +39 02 2426193
Fax: +39 02 22476324

Competent person responsible for the safety data sheet:
betacolor.milano@gmail.com

1.4. Details of importer:

Sydney Automotive Paint and Equipment
Unit A3, 366 Edgar Street
Condell Park
NSW 2200
Australia
Tel: +61 2 9772 9000
Email: reception@sape.com.au

1.5. Emergency Information:

Emergency telephone: AU Poison Information Centre 13 11 26
General medical information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)
Transport information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture EC regulation criteria 1272/2008 (CLP)

- ⚠ Warning, Flam. Liq. 3, Flammable liquid and vapour.
- ⚠ Warning, Skin Irrit. 2, Causes skin irritation.
- ⚠ Warning, Eye Irrit. 2, Causes serious eye irritation.
- ⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Adverse physicochemical, human health and environmental effects:
No other hazards

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2.2. Label elements

Symbols:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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

Precautionary statements:

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

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

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use CO2 or powder extinguisher to extinguish.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contents

xylene

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate: May produce an allergic reaction.

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

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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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:

Qty	Name	Ident. Number	Classification
>= 15% - < 20%	xylene	Index number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01-2119488216-32XX	<ul style="list-style-type: none"> ◆ 2.6/3 Flam. Liq. 3 H226 ◆ 3.1/4/Inhal Acute Tox. 4 H332 ◆ 3.1/4/Dermal Acute Tox. 4 H312 ◆ 3.3/2 Eye Irrit. 2 H319 ◆ 3.8/3 STOT SE 3 H335 ◆ 3.2/2 Skin Irrit. 2 H315 ◆ 3.9/2 STOT RE 2 H373 ◆ 3.10/1 Asp. Tox. 1 H304
>= 12.5% - < 15%	n-butyl acetate	Index number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-2119485493-29XX	<ul style="list-style-type: none"> ◆ 2.6/3 Flam. Liq. 3 H226 ◆ 3.8/3 STOT SE 3 H336 EUH066
>= 1% - < 3%	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 01-2119892111-44XX	<ul style="list-style-type: none"> ◆ 2.6/2 Flam. Liq. 2 H225 ◆ 3.1/4/Inhal Acute Tox. 4 H332 ◆ 3.9/2 STOT RE 2 H373 ◆ 3.10/1 Asp. Tox. 1 H304
>= 0.1% - < 0.25%	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	Index number: 607-035-00-6 CAS: 80-62-6 EC: 201-297-1 REACH No.: 01-2119452498-28XX	<ul style="list-style-type: none"> ◆ 2.6/2 Flam. Liq. 2 H225 ◆ 3.8/3 STOT SE 3 H335 ◆ 3.2/2 Skin Irrit. 2 H315 ◆ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
324 ppm	n-butyl acrylate	Index number: 607-062-00-3 CAS: 141-32-2 EC: 205-480-7 REACH No.: 01-2119453155-43XX	<ul style="list-style-type: none"> ◆ 2.6/3 Flam. Liq. 3 H226 ◆ 3.1/4/Inhal Acute Tox. 4 H332 ◆ 3.3/2 Eye Irrit. 2 H319 ◆ 3.8/3 STOT SE 3 H335 ◆ 3.2/2 Skin Irrit. 2 H315 ◆ 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317

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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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: Use CO₂ or powder extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

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

HAZCHEM: 3Y

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.

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 cleaningup

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. Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

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

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

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

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

xylene - CAS: 1330-20-7

- OEL Type: OEL - LTE(8h): 442 mg/m³, 100 ppm - STE(): 884 mg/m³, 200ppm -

Notes: UE - SKIN

- OEL Type: ACGIH - LTE: 436 mg/m³, 100 ppm - STE: 651 mg/m³, 150 ppm - Notes:

A4, IBE

OEL 8h - 221 mg/m³ - 50 ppm

OEL short - 442 mg/m³ - 100 ppm

n-b utyl acetate - CAS: 123-86-4

- OEL Type: ACGIH - LTE(8h): 713 mg/m³, 150 ppm - STE: 959 mg/m³, 200 ppm -

Notes: ACGIH 2011

- OEL Type: 06 - LTE: 710 mg/m³, 150 ppm - STE: 940 mg/m³, 200 ppm - Notes: EU

ethylbenzene - CAS: 100-41-4

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- OEL Type: 04 - LTE: 192 mg/m³, 50 ppm - STE: 384 mg/m³, 100 ppm - Notes: SKIN
- OEL Type: 06 - LTE: 87 mg/m³, 20 ppm - Notes: A3, IBE
- OEL Type: ACGIH - LTE: 434 mg/m³, 100 ppm - STE: 543 mg/m³, 125 ppm
- OEL Type: EU - LTE: 442 mg/m³, 100 ppm - STE: 884 mg/m³, 200 ppm - Notes: skin
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
TLV TWA - 50 ppm, A4 - 204,76 mg/m³, A4 SEN
TLV STEL - 100 ppm, A4 - 409,53 mg/m³, A4 SEN
n-butyl acrylate - CAS: 141-32-2
TLV TWA - 2 ppm, A4 - 10,48 mg/m³, A4 SEN
TLV STEL - A4 SEN
OEL 8h - 11 mg/m³ - 2 ppm
OEL short - 53 mg/m³ - 10 ppm

DNEL Exposure Limit Values

xylylene - CAS: 1330-20-7

Worker Industry: 289 03 - Worker Professional: 289 03 - Consumer: 174 03 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 180 mg/kg - Worker Professional: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: bw/day

Worker Industry: 77 03 - Worker Professional: 77 03 - Consumer: 14.8 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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

Worker Industry: 289 03 - Worker Professional: 289 03 - Consumer: 174 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 174 03 - Exposure: Human Dermal - Frequency: Short Term, local effects

Worker Industry: 77 03 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 221 03 - Exposure: Human Inhalation - Frequency: Long Term (repeated)

Worker Industry: 221 03 - Consumer: 65.3 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 3182 mg/kg - Consumer: 1872 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 12.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects - Notes: bw/day

n-butyl acetate - CAS: 123-86-4

Worker Industry: 480 03 - Worker Professional: 480 03 - Consumer: 102.34 03 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 960 03 - Worker Professional: 960 03 - Consumer: 859.7 03 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Industry: 960 03 - Worker Professional: 960 03 - Consumer: 859.7 03 - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Industry: 480 03 - Worker Professional: 480 03 - Consumer: 102.34 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 3.4 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 48 03 - Consumer: 12 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 7 mg/kg - Consumer: 3.4 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
Worker Industry: 210 03 - Consumer: 105 03 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 210 03 - Consumer: 74.3 03 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 1.5 mg/kg - Consumer: 1.5 mg/kg - Exposure: Human Dermal - Frequency: Long Term, local effects

Worker Industry: 13.67 mg/kg - Consumer: 8.2 mg/kg - Exposure: Human Dermal -

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Frequency: Long Term, systemic effects - Notes: day
 Worker Industry: 1.5 mg/kg - Consumer: 1.5 mg/kg - Exposure: Human Dermal -
 Frequency: Short Term, local effects

PNEC Exposure Limit Values

xylene - CAS: 1330-20-7

Target: Microorganisms in sewage treatments - Value: 6.58 mg/l - Notes: STP

Target: Marine water - Value: 0.327 mg/l

Target: 10 - Value: 0.327 mg/l

Target: Freshwater sediments - Value: 12.46 mg/kg

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

Target: 09 - Value: 2.31 mg/kg

Target: Fresh Water - Value: 0.327 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg

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

n-butyl acetate - CAS: 123-86-4

Target: 11 - Value: 35.6 mg/l - Notes: STP

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: 10 - Value: 0.36 mg/l

Target: Freshwater sediments - Value: 0.981 mg/kg

Target: Marine water sediments - Value: 0.09 mg/kg

Target: 09 - Value: 0.0903 mg/kg

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6

Target: Fresh Water - Value: 0.94 mg/l

Target: Marine water - Value: 0.094 mg/l

Target: Freshwater sediments - Value: 5.74 mg/l

Target: 09 - Value: 1.47 mg/kg

8.2. Exposure controls

Eye protection:

The use of hermetic protective glasses (ref. EN 166) is recommended

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves cat. III (ref. EN 374)

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	grey/black/ white/beige liquid	--	--
Odour:	of solvent	--	--
Odour threshold:	N.A.	--	--

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pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	24 ° C	--	--
Evaporation rate:	N.A.	--	--

Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

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- Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

xylene - CAS: 1330-20-7

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 3500 mg/kg - Source: Direttiva 67/548/CEE, Allegato V, B.1.

Test: LD50 - Route: Skin - Species: Rabbit > 4200 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat 6350 ppm - Duration: 4h

Test: LD50 - Route: Oral - Species: Mouse = 5627 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 20 mg/l - Duration: 4h

Test: LC50 - Route: Inhalation Vapour - Species: Rat = 5000 ppm - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit > 1700 mg/kg

Test: LD50 - Route: Oral - Species: Rat 4300 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LD50 - Route: Oral 50 mg/kg - Notes: uomo

Test: LC50 - Route: Inhalation 10000 ppm - Duration: 6H - Notes: uomo

Test: LD50 - Route: Skin - Species: 18206 > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rat 5627 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Positive

c) serious eyedamage/irritation:

Test: Eye Irritant - Route: Inhalation Positive 200 ppm

d) respiratory or skin sensitisation:

Test: Respiratory Tract Irritant - Route: Inhalation Positive 200 ppm

Test: Respiratory Tract Irritant Positive

n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 23.4 mg/l - Duration: 4h - Notes: OCSE 403

Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

Test: LD50 - Route: Oral - Species: Rat > 6400 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 23.4 mg/l - Duration: 4h

Test: Skin Irritant Negative

Test: Respiratory Tract Irritant Positive

Test: LC50 - Route: Inhalation - Species: Rat > 2000 ppm - Duration: 4h

Test: Eye Irritant - Route: Inhalation Positive 3300 ppm

b) skin corrosion/irritation:

Test: Skin Corrosive Negative - Source: OECD 404

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- e) germ cell mutagenicity:
Test: Mutagenesis Negative - Notes: TEST DI AMES
- f) carcinogenicity:
Test: Carcinogenicity Negative - Notes: TEST DI AMES
- g) reproductive toxicity:
Test: Reproductive Toxicity Negative - Notes: TEST DI AMES
Test: NOAEC - Route: Inhalation - Species: Rat 9640 mg/m³ - Source: OECD 416

ethylbenzene - CAS: 100-41-4

- a) acute toxicity:
Test: Respiratory Tract Irritant - Route: Inhalation Positive
Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 15354 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 17.2 mg/l - Duration: 4h
- f) carcinogenicity:
Test: Carcinogenicity - Route: Inhalation Positive

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6

- a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 7872 mg/kg
Test: LD50 - Route: Oral - Species: Rat 8400 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 35000 mg/kg Test:
LC50 - Route: Inhalation Vapour - Species: Rat 7093 ppm
- b) skin corrosion/irritation:
Test: Skin Irritant Positive
- c) serious eye damage/irritation:
Test: Eye Irritant Positive

xylene - CAS: 1330-20-7

LD50 (RAT) ORAL: 5000 MG/KG

ethylbenzene - CAS: 100-41-4

LD50 (RAT) ORAL: 3500 MG/KG

LD50 (RAT) ORAL: 4710 MG/KG BW

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

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

xylene - CAS: 1330-20-7

- a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24 - Notes: Daphnia magna

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Endpoint: ErC50 - Species: Algae = 4.36 mg/l - Duration h: 73 - Notes: Pseudokirchneriella subcapitata
Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: NOEL - Species: Algae = 0.44 mg/l - Duration h: 73 - Notes: Pseudokirchneriella subcapitata
Endpoint: LC50 - Species: Fish Positive 13.5-17.3 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: LC50 - Species: Fish = 13.4 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: LC50 - Species: Fish > 780 mg/l - Duration h: 96 - Notes: Cyprinus carpio
Endpoint: LC50 - Species: Fish = 19 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: LC50 - Species: Fish Positive 2.661-4.093 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: LC50 - Species: Fish = 780 mg/l - Duration h: 96 - Notes: Cyprinus carpio
Endpoint: LC50 - Species: Fish Positive 7.711-9.591 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: LC50 - Species: Fish Positive 30.26-40.75 mg/l - Duration h: 96 - Notes: Poecilia reticulata
Endpoint: LC50 - Species: Fish = 19 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: LC50 - Species: Fish Positive 23.53-29.97 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: LC50 - Species: Daphnia = 0.6 mg/l - Duration h: 48 - Notes: Gammarus lacustris
Endpoint: EC50 - Species: Daphnia = 3.82 mg/l - Duration h: 48 - Notes: Water flea
Endpoint: EC50 - Species: Daphnia 81 mg/l - Duration h: 24 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae 110 mg/l - Duration h: 48 - Notes: Desmodesmus subspicatus
Endpoint: LC50 - Species: Fish = 4093 mg/l - Duration h: 96
Endpoint: LC50 - Species: Fish > 1 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae = 11 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
Endpoint: EC50 - Species: Algae 2.2 mg/l - Duration h: 73 - Notes: Selenastrum capricornutum

b) Aquatic chronic toxicity:

Endpoint: NOEL - Species: Daphnia = 1.57 mg/l - Duration h: 504 - Notes: Daphnia magna
Endpoint: NOEL - Species: Fish > 1.3 mg/l - Duration h: 1344 - Notes: Oncorhynchus mykiss

c) Bacteria toxicity:

Endpoint: EC50 - Species: fango attivo 1000 mg/l - Duration h: 15

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: EC50 - Species: Algae = 674.7 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus
Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: LC50 - Species: Fish 62 mg/l - Duration h: 96 - Notes: Brachydanio rerio
Endpoint: EC50 - Species: Algae = 675 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus
Endpoint: LC50 - Species: Fish = 100 mg/l - Duration h: 96 - Notes: Lepomis macrochirus
Endpoint: LC50 - Species: Fish = 62 mg/l - Duration h: 96 - Notes: Leociscus idus
Endpoint: EC50 - Species: Daphnia = 72.8 mg/l - Duration h: 24 - Notes: Daphnia magna
Endpoint: EC50 - Species: Daphnia 10-100 mg/l - Duration h: 48
Endpoint: IC50 - Species: Algae 675 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish 18 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia 32 mg/l - Duration h: 48 - Notes: Crostacei, artemia salina, Nauplii - mortalità

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Endpoint: LC50 - Species: Fish 62 mg/l - Duration h: 96 - Notes: Danio rerio - mortalità
Endpoint: NOEC - Species: Algae 200 mg/l - Duration h: 72

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae Positive 1.7-7.6 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae Positive 2.6-11.3 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae Positive 4.6 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

Endpoint: EC50 - Species: Algae > 438 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: LC50 - Species: Fish Positive 7.55-11 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish Positive 9.1-15.6 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish = 32 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: LC50 - Species: Fish = 9.6 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: LC50 - Species: Fish Positive 11.0-18.0 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Daphnia Positive 1.8-2.4 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 11 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Endpoint: EC0 - Species: batteri 12 mg/l - Notes: Pseudomonas putida

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 170 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Endpoint: LC50 - Species: Fish 125.5-190.7 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish > 79 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: LC50 - Species: Fish 153.9-341.8 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: LC50 - Species: Fish 243-275 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Fish 326.4-426.9 mg/l - Duration h: 96 - Notes: Poecilia reticulata

Endpoint: LC50 - Species: Fish 170-206 mg/l - Duration h: 96 - Notes: Lepomis macrochirus

Endpoint: EC50 - Species: Daphnia = 69 mg/l - Duration h: 48 - Notes: Daphnia magna

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

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None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: 1263
IATA-Un number: 1263
IMDG-Un number: 1263

14.2. UN proper shipping name

ADR-Shipping Name: Paints or paint related materials
IATA-Technical name: Paints or paint related materials
IMDG-Technical name: Paints or paint related materials

14.3. Transport hazard class(es)

ADR-Class: 3
IATA-Class: 3
IMDG-Class: 3

14.4. Packing group

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

14.5. Environmental hazards

Marine pollutant: Marine pollutant

14.6. Special precautions for user

Rail (RID): 1263
IMDG-Technical name: Paints or paint related materials

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

14.8. Hazchem

3Y

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

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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:

No restriction.

Volatile Organic compounds - VOCs = 404 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions:

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II): N.A.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

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

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H225 Highly flammable liquid and vapour.

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

H317 May cause an allergic skin reaction.

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification

SECTION 3: Composition/information on ingredients

SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information

SECTION 12: Ecological information

SECTION 15: Regulatory information

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

Safety Data Sheet

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SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold
CCNL - Appendix 1

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.
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.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.