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SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT

NAME OF THE PRODUCT Bumper Bossauto Anthracite, 1 L.
CODE 090004

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Danger, Flam. Liq. 2, Highly flammable liquid and vapour.

Warning, Skin Irrit. 2, Causes skin irritation.
Warning, Eye Irrit. 2, Causes serious eye irritation. Warning, STOT SE 3, May cause respiratory irritation. Warning, STOT SE 3, May cause drowsiness or dizziness.

Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure if inhaled or swallowed.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.
Adverse physicochemical, human health and environmental effects: No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:
H225 Highly flammable liquid and vapour. H315 Causes skin irritation.
H319 Causes serious eye irritation. H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled or swallowed.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe fume/gas/mist/vapours/spray.
P280 Wear protective gloves/clothing and eye/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Special Provisions:
EUH208 Contains methyl methacrylate. May produce an allergic reaction.

Contains:
xylene
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics acetone
ethyl acetate

2.3. Other hazards
vPvB Substances: None
PBT Substances: None

3. IDENTIFICATION OF HAZARDS

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
>= 20% - < 25%	xylene	Index Number: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7 REACH No.: 01-2119488216-32	2.6/3 Flam. Liq. 3 H226 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373 4.1/C3 Aquatic Chronic 3 H412
>= 12.5% - < 15%	Hydrocarbons, C7, nalkanes, isoalkanes, cyclics	EC: 927-510-4 REACH No.: 01-2119475515-33	2.6/2 Flam. Liq. 2 H225 3.2/2 Skin Irrit. 2 H315 3.8/3 STOT SE 3 H336 4.1/C2 Aquatic Chronic 2 H411 3.10/1 Asp. Tox. 1 H304
>= 2.5% - < 3%	Acetone	Index Number: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 REACH No.: 01-2119471330-49	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336 EUH066
>= 1% - < 2.5%	Ethyl acetate	Index Number: 607-022-00- CAS: 141-78-6	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H336

		EC: 205-500-4 REACH No.: 01-2119475103-46	EUH066
>= 1% - < 2.5%	n-butyl acetate	Index Number: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 REACH No.: 01-2119485493-29	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336 EUH066
>= 0.5% - < 1%	2-methoxy-1-methylethyl acetate	Index Number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-2119475791-29	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
>= 0.1% - < 0.3%	Methyl methacrylate	Index: Number: 607-035-00- CAS: 80-62-6 EC: 201-297-1 REACH No.: 01-2119452498-28	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 Skin Sens. 1 H317

4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of skin contact:
Remove contaminated clothing immediately and dispose off 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 opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:
Do NOT induce vomiting.

In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
In case of inhalation, consult a doctor immediately and show him packing or label.

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

None known

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).

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

CO2, powder extinguisher, foam, water spray.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

Do not inhale explosion and/or combustion gases (carbon monoxide, carbon dioxide, oxides of nitrogen).

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.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Wear personal protection equipment.

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

6.3. Methods and material for containment and cleaning up

Suitable material for collection: inert absorbent material (e.g. sand, vermiculite) After the product has been recovered, rinse the area and materials involved.

6.4. Reference to other sections

See also section 8 and 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists. Use localized ventilation system.

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.

See also section 8 for recommended protective equipment. Advice on general occupational hygiene: Contamined clothing should be changed before entering eating areas. Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight. Keep away from food, drink and feed.
Incompatible materials:
See chapter 10.5
Instructions as regards storage premises:
Keep container tightly closed in a cool, well-ventilated place, away from heat.

7.3. Specific end use(s)
See chapter 1.2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
xylene - CAS: 1330-20-7
WEL -- Country: UNITED KINGDOM - TWA: 220 mg/m3, 50 ppm - STEL: 441 mg/m3, 100 ppm
EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS Impair

acetone - CAS: 67-64-1
WEL -- Country: UNITED KINGDOM - TWA: 1210 mg/m3, 500 ppm - STEL: 3620 mg/m3, 1500 ppm
EU - TWA(8h): 1210 mg/m3, 500 ppm
ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

ethyl acetate - CAS: 141-78-6
ACGIH - TWA(8h): 400 ppm - Notes: URT and eye irr
WEL -- Country: UNITED KINGDOM - TWA: 730 mg/m3, 200 ppm - STEL: 1460 mg/m3, 400 ppm
EU - TWA(8h): 734 mg/m3, 200 ppm - STEL: 1468 mg/m3, 400 ppm

n-butyl acetate - CAS: 123-86-4
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
WEL -- Country: UNITED KINGDOM - TWA: 724 mg/m3, 150 ppm - STEL: 966 mg/m3, 200 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
WEL -- Country: UNITED KINGDOM - TWA: 274 mg/m3, 50 ppm - STEL: 548 mg/m3, 100 ppm

methyl methacrylate - CAS: 80-62-6
WEL -- Country: UNITED KINGDOM - TWA: 208 mg/m3, 50 ppm - STEL: 416 mg/m3, 100 ppm
EU - TWA(8h): 50 ppm - STEL: 100 ppm
ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: DSEN, A4 - URT and eye irr, body weight eff, pulm edema

DNEL Exposure Limit Values
xylene - CAS: 1330-20-7
Worker Professional: 221 mg/m3 - Consumer: 65.3 mg/m3 - Exposure: Human Inhalation

Frequency: Long Term, systemic effects
Worker Professional: 442 mg/m3 - Consumer: 260 mg/m3 - Exposure: Human Inhalation
Frequency: Short Term, systemic effects
Worker Professional: 442 mg/m3 - Consumer: 260 mg/m3 - Exposure: Human Inhalation
Frequency: Short Term, local effects
Worker Professional: 221 mg/m3 - Consumer: 65.3 mg/m3 - Exposure: Human Inhalation
Frequency: Long Term, local effects
Worker Professional: 212 mg/kg - Consumer: 125 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Consumer: 12.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic Effects

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Worker Professional: 2085 mg/m3 - Consumer: 447 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 300 mg/kg - Consumer: 149 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Consumer: 149 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

acetone - CAS: 67-64-1
Worker Professional: 1210 mg/m3 - Consumer: 200 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 2420 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

ethyl acetate - CAS: 141-78-6
Worker Professional: 734 mg/m3 - Consumer: 367 mg/m3 - Exposure: Human Inhalation
Frequency: Long Term, systemic effects
Worker Professional: 734 mg/m3 - Consumer: 367 mg/m3 - Exposure: Human Inhalation
Frequency: Long Term, local effects
Worker Professional: 1468 mg/m3 - Consumer: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 1468 mg/m3 - Consumer: 734 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 63 mg/kg - Consumer: 37 mg/kg - Exposure: Human Dermal –
Frequency: Long Term, systemic effects
Consumer: 4.5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

n-butyl acetate - CAS: 123-86-4
Worker Professional: 300 mg/m3 - Consumer: 35.7 mg/m3 - Exposure: Human Inhalation
Frequency: Long Term, systemic effects
Worker Professional: 600 mg/m3 - Consumer: 300 mg/m3 - Exposure: Human Inhalation
Frequency: Short Term, systemic effects
Worker Professional: 300 mg/m3 - Consumer: 35.7 mg/m3 - Exposure: Human Inhalation
Frequency: Long Term, local effects
Worker Professional: 600 mg/m3 - Consumer: 300 mg/m3 - Exposure: Human Inhalation
Frequency: Short Term, local effects
Worker Professional: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Professional: 11 mg/kg - Consumer: 6 mg/kg - Exposure: Human Dermal -
Frequency: Short Term, systemic effects

Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Worker Professional: 796 mg/kg - Consumer: 320 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 275 mg/m3 - Consumer: 33 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 36 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Professional: 550 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 33 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

methyl methacrylate - CAS: 80-62-6
Worker Professional: 208 mg/m3 - Consumer: 74.3 mg/m3 - Exposure: Human Inhalation Frequency: Long Term, systemic effects
Worker Professional: 208 mg/m3 - Consumer: 104 mg/m3 - Exposure: Human Inhalation Frequency: Long Term, local effects
Worker Professional: 13.67 mg/kg - Consumer: 8.2 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 1.5 mg/cm2 - Consumer: 1.5 mg/cm2 - Exposure: Human Dermal - Frequency: Long Term, local effects
Worker Professional: 1.5 mg/cm2 - Consumer: 1.5 mg/cm2 - Exposure: Human Dermal - Frequency: Short Term, local effects

PNEC Exposure Limit Values
xylene - CAS: 1330-20-7
Target: Marine water - Value: 0.327 mg/l
Target: Fresh Water - Value: 0.327 mg/l
Target: Microorganisms in sewage treatments (STP) - Value: 6.58 mg/l
Target: Marine water sediments - Value: 12.46 mg/kg
Target: Freshwater sediments - Value: 12.46 mg/kg
Target: Soil (agricultural) - Value: 2.31 mg/kg

acetone - CAS: 67-64-1
Target: Fresh Water - Value: 10.6 mg/l
Target: Marine water - Value: 1.06 mg/l
Target: Freshwater sediments - Value: 30.4 mg/kg
Target: Marine water sediments - Value: 3.04 mg/kg
Target: Microorganisms in sewage treatments (STP) - Value: 100 mg/l
Target: Soil (agricultural) - Value: 29.5 mg/kg

ethyl acetate - CAS: 141-78-6
Target: Marine water - Value: 0.024 mg/l
Target: Fresh Water - Value: 0.24 mg/l
Target: Marine water sediments - Value: 0.115 mg/kg
Target: Freshwater sediments - Value: 1.15 mg/kg
Target: Microorganisms in sewage treatments (STP) - Value: 650 mg/l
Target: Soil (agricultural) - Value: 0.148 mg/kg

n-butyl acetate - CAS: 123-86-4
Target: Marine water - Value: 0.018 mg/l
Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water sediments - Value: 0.0981 mg/kg
Target: Freshwater sediments - Value: 0.981 mg/kg
Target: Microorganisms in sewage treatments (STP) - Value: 35.6 mg/l
Target: Soil (agricultural) - Value: 0.0903 mg/kg

2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Target: Marine water - Value: 0.0635 mg/l
Target: Fresh Water - Value: 0.635 mg/l
Target: Marine water sediments - Value: 0.329 mg/kg
Target: Freshwater sediments - Value: 3.29 mg/kg
Target: Soil (agricultural) - Value: 0.29 mg/kg
Target: Microorganisms in sewage treatments (STP) - Value: 100 mg/l

methyl methacrylate - CAS: 80-62-6
Target: Marine water - Value: 0.94 mg/l
Target: Fresh Water - Value: 0.94 mg/l
Target: Microorganisms in sewage treatments (STP) - Value: 10 mg/l
Target: Freshwater sediments - Value: 5.74 mg/kg
Target: Soil (agricultural) - Value: 1.47 mg/kg

8.2. Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Eye protection:

Eye glasses with side protection (EN 166).

Skin protection:

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Hands protection:

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.
For prolonged or repeated handling, use chemical resistant gloves.
Suitable materials for safety gloves; EN 16523:
NBR (Nitril rubber): thickness >= 0.4 mm; permeation time >= 480 min.
FKM (Fluorinated rubber): thickness >= 0.4 mm; permeation time >= 480 min.
The selection of suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to another one, and on the manner and times of use of the mixture.

Respiratory protection:

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
Combination filtering device (EN 14387).

Environmental exposure controls:
See chapter 6.2
Appropriate engineering controls:
See section 7.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	colored thick liquid	--	--
Odour:	solvent	--	--
Odour threshold:	nd	--	--
pH:	na	--	Solvent-based system
Melting point / freezing point:	na	--	--
Initial boiling point and boiling range:	nd	--	--
Flash point:	- 8.5 °C	EN ISO 3679	--
Evaporation rate:	nd	--	--
Solid/gas flammability:	na	--	--
Upper/lower flammability or explosive limits:	nd	--	--
Vapour pressure:	nd	--	--
Vapour density:	nd	--	--
Relative density:	1.12 ± 0.02 kg/l	Internal method IPPSPC	--
Solubility in water:	not soluble	--	--
Solubility in oil:	nd	--	--

Partition coefficient (n-octanol/water):	nd	--	--
Auto-ignition temperature:	nd	--	--
Decomposition temperature:	nd	--	--
Viscosity:	> 20.5 mm²/s - 40 °C	--	--
Explosive properties:	nd	--	--
Oxidizing properties:	nd	--	--

na = not applicable - nd = not available

9.2. Other information
Miscibility: Not available
Conductivity: Not available

10. STABILITY AND REACTIVITY

10.1. Reactivity
Stable under normal conditions

10.2. Chemical stability
Stable under normal conditions

10.3. Possibility of hazardous reactions
Because of heat or fire the preparation can release carbon oxides and vapours which may be harmful to health.
Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid
Avoid to keep near heat sources.

10.5. Incompatible materials
Avoid contact with oxidizing materials or powerful oxidizing agents. The product could catch fire.
See chapter 10.3

10.6. Hazardous decomposition products
No hazardous decomposition products when stored and handled correctly.
See chapter 5.2

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Toxicological information of the product:
BUMPER

acute toxicity
Not classified
Based on available data, the classification criteria are not met
skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
respiratory or skin sensitisation
Not classified
Based on available data, the classification criteria are not met
germ cell mutagenicity
Not classified
Based on available data, the classification criteria are not met
carcinogenicity
Not classified
Based on available data, the classification criteria are not met
reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
STOT-single exposure
The product is classified: STOT SE 3 H335;STOT SE 3 H336
STOT-repeated exposure
The product is classified: STOT RE 2 H373
aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the mixture:
xylene - CAS: 1330-20-7
acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 3523 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 12126 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat 27124 mg/m3 - Duration: 4h
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
acute toxicity:
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 23.3 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat > 5840 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2920 mg/kg
acetone - CAS: 67-64-1
acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 5800 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 7400 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat 76 mg/l - Duration: 4h
ethyl acetate - CAS: 141-78-6
acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 5620 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 20000 mg/kg
Test: LCLo - Route: Inhalation Vapour - Species: Rat > 6000 ppm - Duration: 6H
n-butyl acetate - CAS: 123-86-4
acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 10760 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 14112 mg/kg
Test: LC0 - Route: Inhalation Vapour - Species: Rat 23.4 mg/l

2-methoxy-1-methylethyl acetate - CAS: 108-65-6
acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 5000 mg/kg
Test: LC0 - Route: Inhalation Vapour - Species: Rat > 23.5 mg/l - Duration: 6H
methyl methacrylate - CAS: 80-62-6
acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat 29.8 mg/l

12. ECOLOGICAL INFORMATION

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

12.1. Toxicity

There are no data available on the mixture itself.

Ecotoxicological information of the main substances found in the mixture:
xylene - CAS: 1330-20-7
Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae 0.44 mg/l - Duration h: 72
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia 3 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish 13.4 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae 10 mg/l - Duration h: 72
Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia 1 mg/l - Notes: 21d
acetone - CAS: 67-64-1
Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 5540 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia 8800 mg/l - Duration h: 48
Aquatic chronic toxicity:
Endpoint: NOEC - Species: Crustaceans 2212 mg/l
ethyl acetate - CAS: 141-78-6
Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 230 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 165 mg/l - Duration h: 48
n-butyl acetate - CAS: 123-86-4
Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 18 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 44 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 397 mg/l - Duration h: 72
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish 134 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 408 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 96
methyl methacrylate - CAS: 80-62-6
Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 79 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 69 mg/l - Duration h: 48

12.2. Persistence and degradability
xylene - CAS: 1330-20-7
Biodegradability: Readily biodegradable
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Biodegradability: Readily biodegradable
ethyl acetate - CAS: 141-78-6
Biodegradability: Readily biodegradable
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Biodegradability: Readily biodegradable
methyl methacrylate - CAS: 80-62-6
Biodegradability: Readily biodegradable

12.3. Bioaccumulative potential
xylene - CAS: 1330-20-7
Bioaccumulation: Not bioaccumulative

12.4. Mobility in soil
xylene - CAS: 1330-20-7
Mobility in soil: Mobile

12.5. Results of PBT and vPvB assessment
vPvB Substances: None
PBT Substances: None

12.6. Other adverse effects
None

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Do not allow to enter drains or water courses.
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.

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:	PAINT
IATA-Shipping Name:	PAINT
IMDG-Shipping Name:	PAINT

14.3. Transport hazard class(es)
ADR-Class:	3
ADR - Hazard identification number:	33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3

14.4. Packing group

ADR-Packing Group:	II
IATA-Packing Group:	II
IMDG-Packing Group:	II

14.5. Environmental hazards

ADR-Enviromental Pollutant:	No
IMDG-Marine pollutant:	No

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)
IATA-Passenger Aircraft:	353
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	364
IATA-S.P.:	A3 A72 A192
IATA-ERG:	3L
IMDG-EmS:	F-E , S-E
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category B
IMDG-Segregation:	-

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

N.A.

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)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/699 (ATP 11 CLP)
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 = 43.85 %

Where applicable, refer to the following italian regulatory provisions:
Directive 2012/18/EU (Seveso III)
Directive 2010/75/EU
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.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:
H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled or swallowed.
H412 Harmful to aquatic life with long lasting effects.
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
H317 May cause an allergic skin reaction.

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
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
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1

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
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients SECTION 7: Handling and storage
SECTION 8: Exposure controls/personal protection SECTION 9: Physical and chemical properties SECTION 11: Toxicological information
SECTION 12: Ecological information SECTION 14: Transport information SECTION 15: Regulatory information SECTION 16: Other information

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	Evaluation based on the substances contained
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	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
Safety data sheets of raw materials suppliers

This MSDS cancels and replaces any preceding release.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate

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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. 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.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
WGK: German Water Hazard Class.
N.A. Not Applicable / Not Available

The statements made here should describe the product with regard to the necessary safety precautions – they are no meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility