Safety Data Sheet
Medium grain metallic converter

Safety Data Sheet dated 1/21/2020, version 2

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: Medium grain metallic converter

Other means of identification:

Trade code: 6ES4000M

Recommended use of the chemical and restrictions on use

Recommended use:Surface coating

Restrictions on use:

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company:

Sirca S.p.A.

Address:

Viale Roma, 85
35010 S.Dono di Massanzago (PD) - ITALY
Tel. +39 0499322311

Distributed by:

GEMINI INDUSTRIES, INC.
2300 Holloway Drive
El Reno, OK 73036
USA
Tel. 1-800-262-5710
Fax 1-405-262-9310
www.gemini-coatings.com

Competent person responsible for the safety data sheet:

safety@sirca.it

Emergency phone number

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887.

2. HAZARD(S) IDENTIFICATION

Classification of the chemical


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


Warning, Skin Irrit. 2, Causes skin irritation.


Warning, Eye Irrit. 2A, Causes serious eye irritation.


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


Danger, Muta. 1B, May cause genetic defects.


Danger, Carc. 1B, May cause cancer.


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


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.

Safety Data Sheet
Medium grain metallic converter

Label elements

Hazard pictograms:

Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H340 May cause genetic defects.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.
H335 May cause respiratory irritation.
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/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash your face, hands and every exposed part thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a POISON CENTER/doctor/... if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment (see supplementary instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use a CO_2, Foam, Chemical powders for extinction.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

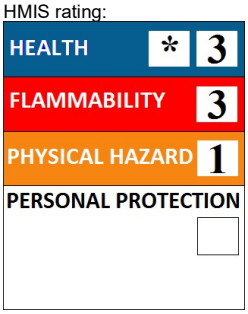
Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:

HMIS rating:



3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 25% - < 48% xylene [isomer mixture]

REACH No.: 01-2119488216-32-xxxx, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7

 B.6/3 Flam. Liq. 3 H226

 A.10/1 Asp. Tox. 1 H304

 A.3/2A Eye Irrit. 2A H319

 A.8/3 STOT SE 3 H335

 A.9/2 STOT RE 2 H373

 A.2/2 Skin Irrit. 2 H315

 A.1/4/Dermal Acute Tox. 4 H312

 A.1/4/Inhal Acute Tox. 4 H332

>= 9.9% - < 12.5% sec-butyl acetate

REACH No.: 01-2119488971-22-xxxx, Index number: 607-026-00-7, CAS: 110-19-0, EC: 203-745-1

 B.6/2 Flam. Liq. 2 H225

 A.8/3 STOT SE 3 H336

>= 7% - < 9.9% butanone

REACH No.: 01-2119457290-43-xxxx, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0

 B.6/2 Flam. Liq. 2 H225

 A.3/2A Eye Irrit. 2A H319

 A.8/3 STOT SE 3 H336

>= 5% - < 7% ethylbenzene
REACH No.: 01-2119489370-35-xxxx, Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4


A.10/1 Asp. Tox. 1 H304


B.6/2 Flam. Liq. 2 H225


A.2/2 Skin Irrit. 2 H315


A.1/4/Inhal Acute Tox. 4 H332


A.6/2 Carc. 2 H351

>= 5% - < 7% n-butyl acetate
REACH No.: 01-2119485493-29-xxxx, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1


B.6/3 Flam. Liq. 3 H226


A.8/3 STOT SE 3 H336

>= 3% - < 5% toluene
REACH No.: 01-2119471310-51-xxxx, Index number: 601-021-00-3, CAS: 108-88-3, EC: 203-625-9


B.6/2 Flam. Liq. 2 H225


A.7/2 Repr. 2 H361


A.10/1 Asp. Tox. 1 H304


A.9/2 STOT RE 2 H373


A.2/2 Skin Irrit. 2 H315


A.8/3 STOT SE 3 H336

>= 2% - < 2.5% propan-2-ol
REACH No.: 01-2119457558-25-xxxx, Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7


B.6/2 Flam. Liq. 2 H225


A.3/2A Eye Irrit. 2A H319


A.8/3 STOT SE 3 H336

>= 1% - < 2% Solvent naphtha (petroleum), light arom
REACH No.: 01-2119455851-35-xxxx, Index number: 649-356-00-4, CAS: 64742-95-6, EC: 265-199-0


B.6/3 Flam. Liq. 3 H226


A.8/3 STOT SE 3 H335


A.8/3 STOT SE 3 H336


US-HAE/C2 Aquatic Chronic 2 H411


A.10/1 Asp. Tox. 1 H304

>= 1% - < 2% Naphtha (petroleum), hydrotreated heavy
REACH No.: 01-2119457273-39-xxxx, Index number: 649-327-00-6, CAS: 64742-48-9, EC: 265-150-3


A.6/1B Carc. 1B H350


A.5/1B Muta. 1B H340


A.10/1 Asp. Tox. 1 H304

>= 0.1% - < 0.2% methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate
REACH No.: 01-2119452498-28-xxxx, Index number: 607-035-00-6, CAS: 80-62-6, EC: 201-297-1


B.6/2 Flam. Liq. 2 H225


A.8/3 STOT SE 3 H335


A.2/2 Skin Irrit. 2 H315


A.4.2/1 Skin Sens. 1 H317

4. FIRST-AID MEASURES

Description of necessary measures
In case of skin contact:
Immediately take off all contaminated clothing.
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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
In case of Inhalation:
In case of inhalation, consult a doctor immediately and show him packing or label.
Most important symptoms/effects, acute and delayed
None
Indication of 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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:
In case of fire: Use a CO_2, Foam, Chemical powders for extinction.
Unsuitable extinguishing media:
None in particular.
Specific hazards arising from the chemical
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
Hazardous combustion products:
None
Explosive properties: N.A.
Oxidizing properties: N.A.
Special protective equipment and precautions for fire-fighters
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

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.
Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

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.
Do not use on extensive surface areas in premises where there are occupants.
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.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from flame and sparks. Avoid accumulating electrostatic charge.
Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.
Safety electric system.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

xylene [isomer mixture] - CAS: 1330-20-7
(OEL (IT)) - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Behaviour: Binding - Notes: pelle
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

sec-butyl acetate - CAS: 110-19-0
Québec - TWA: 712.64 mg/m3, 150 ppm
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

butanone - CAS: 78-93-3
(OEL (IT)) - TWA(8h): 600 mg/m3, 200 ppm - STEL: 900 mg/m3, 300 ppm - Behaviour: Binding
EU - TWA(8h): 600 mg/m3, 200 ppm - STEL: 900 mg/m3, 300 ppm
ACGIH - TWA(8h): 200 ppm - STEL: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair

ethylbenzene - CAS: 100-41-4
(OEL (IT)) - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm - Behaviour: Binding - Notes: pelle
EU - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair

n-butyl acetate - CAS: 123-86-4
TWA (Italia) - TWA: 150 ppm - STEL: 200 ppm
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

toluene - CAS: 108-88-3
(OEL (IT)) - TWA(8h): 192 mg/m3, 50 ppm - Behaviour: Binding - Notes: Pelle
EU - TWA(8h): 192 mg/m3, 50 ppm - STEL: 384 mg/m3, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss

propan-2-ol - CAS: 67-63-0
ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair

Naphtha (petroleum), hydrotreated heavy - CAS: 64742-48-9
OSHA - TWA: 2000 mg/m3, 500 ppm

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
(OEL (IT)) - TWA(8h): 50 ppm - STEL: 100 ppm - Behaviour: Binding
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 [isomer mixture] - CAS: 1330-20-7

Worker Industry: 180 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 77 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 108 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 1872 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 12.5 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

sec-butyl acetate - CAS: 110-19-0

Worker Industry: 4.95 mg/Kg-bw/day - Consumer: 2.48 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 243 mg/m3 - Consumer: 60.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 2.48 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

butanone - CAS: 78-93-3

Worker Industry: 1161 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 600 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 412 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 106 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 31 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

ethylbenzene - CAS: 100-41-4

Worker Industry: 180 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 293 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 77 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

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

Worker Professional: 600 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 300 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Consumer: 300 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 35.7 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

toluene - CAS: 108-88-3

Consumer: 226 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Consumer: 226 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 226 mg/m3 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 56.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 8.13 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Industry: 384 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 384 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 192 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

propan-2-ol - CAS: 67-63-0

Worker Industry: 500 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 888 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 89 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 319 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 26 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Solvent naphtha (petroleum), light arom - CAS: 64742-95-6

Worker Professional: 25 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 150 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 11 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 32 mg/Kg-bw/day - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 11 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

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

Worker Industry: 210 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 1.5 mg/cm2 - Exposure: Human Dermal - Frequency: Long Term, local effects
Worker Industry: 210 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 13.67 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 1.5 mg/cm2 - Exposure: Human Dermal - Frequency: Short Term, local effects
Consumer: 74.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 105 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 1.5 mg/cm2 - Exposure: Human Dermal - Frequency: Short Term, local effects
Consumer: 8.2 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

xylene [isomer mixture] - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l
Target: Fresh Water - Value: 0.327 mg/l
Target: occasional emission - Value: 0.327 mg/l
Target: Microorganisms in sewage treatments - Value: 6.58 mg/l
Target: Soil (agricultural) - Value: 2.31 mg/kg - Notes:: dry

Target: Marine water sediments - Value: 12.46 mg/kg - Notes:: dry
Target: Freshwater sediments - Value: 12.46 mg/kg - Notes:: dry

sec-butyl acetate - CAS: 110-19-0
Target: Fresh Water - Value: 0.17 mg/l
Target: Marine water - Value: 0.017 mg/l
Target: Freshwater sediments - Value: 0.877 mg/kg
Target: Marine water sediments - Value: 0.0877 mg/kg
Target: Soil (agricultural) - Value: 0.0755 mg/kg

butanone - CAS: 78-93-3
Target: Marine water - Value: 55.8 mg/l
Target: Fresh Water - Value: 55.8 mg/l
Target: occasional emission - Value: 55.8 mg/l
Target: STP - Value: 709 mg/l
Target: Freshwater sediments - Value: 284.7 mg/kg dwt
Target: Marine water sediments - Value: 284.7 mg/kg dwt
Target: Soil (agricultural) - Value: 22.5 mg/kg
Target: orally (secondary poisoning) - Value: 1000 mg/kg

ethylbenzene - CAS: 100-41-4
Target: Fresh Water - Value: 0.1 mg/l
Target: Marine water - Value: 0.01 mg/l
Target: Marine water sediments - Value: 13.7 mg/l
Target: Freshwater sediments - Value: 13.7 mg/l
Target: occasional emission - Value: 0.1 mg/l

n-butyl acetate - CAS: 123-86-4
Target: Fresh Water - Value: 0.18 mg/l
Target: Marine water - Value: 0.018 mg/l
Target: Freshwater sediments - Value: 0.981 mg/kg
Target: Marine water sediments - Value: 0.0981 mg/kg
Target: Soil (agricultural) - Value: 0.0903 mg/kg
Target: STP - Value: 35.6 mg/l

toluene - CAS: 108-88-3
Target: Fresh Water - Value: 0.68 mg/l
Target: Marine water - Value: 0.68 mg/l
Target: Soil (agricultural) - Value: 2.89 mg/kg
Target: Marine water sediments - Value: 16.39 mg/l
Target: Freshwater sediments - Value: 16.39 mg/l
Target: STP - Value: 13.61 mg/l

propan-2-ol - CAS: 67-63-0
Target: Fresh Water - Value: 140.9 mg/l
Target: Marine water - Value: 140.9 mg/l
Target: occasional emission - Value: 140.9 mg/l
Target: Freshwater sediments - Value: 552 mg/kg
Target: Marine water sediments - Value: 552 mg/kg
Target: Soil (agricultural) - Value: 28 mg/kg
Target: STP - Value: 2251 mg/l

Solvent naphtha (petroleum), light arom - CAS: 64742-95-6
Target: Marine water - Value: 0.327 mg/l
Target: Fresh Water - Value: 0.327 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
Target: Microorganisms in sewage treatments - Value: 6.58 mg/l

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/kg
Target: Soil (agricultural) - Value: 1.47 mg/kg
Target: occasional emission - Value: 0.94 mg/l
Target: Microorganisms in sewage treatments - Value: 10 mg/l

Appropriate engineering controls:
None

Individual protection measures

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

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 that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:
Use respiratory protection where ventilation is insufficient or exposure is prolonged.
Use adequate protective respiratory equipment.

Thermal Hazards:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Odour:	characteristic
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	< 1° C
Initial boiling point and boiling range:	> 55° C
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	< 21°C - < 69.8 °F
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	0.9200 Kg/l a 20°C
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	> 250° C
Decomposition temperature:	N.A.
Viscosity (typical value):	70.00 " Din cup # 4
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

Reactivity
It may generate dangerous reactions (See subsections below)
Chemical stability
It may generate dangerous reactions (See subsections below)
Possibility of hazardous reactions
No dangerous reaction is stored and used appropriately.
Conditions to avoid
Avoid accumulating electrostatic charge.
Vapours can form explosive mixtures with air.
Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
Hazardous decomposition products
None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
xylene [isomer mixture] - CAS: 1330-20-7
a) acute toxicity:
Test: LD50 - Route: Inhalation - Species: Rat = 27 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 12126 mg/kg
sec-butyl acetate - CAS: 110-19-0
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 13413 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 17400 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 30 mg/l - Duration: 6h
butanone - CAS: 78-93-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2737 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 6480 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 23.5 mg/l - Duration: 8h
b) skin corrosion/irritation:
Test: Skin Corrosive - Species: Rabbit Negative - Notes: moderatamente irritante
ethylbenzene - CAS: 100-41-4
a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit = 15400 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 4000 Ppm - Duration: 4h

d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Negative
n-butyl acetate - CAS: 123-86-4
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat > 21 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 10736 mg/kg - Notes: Method OECD linee guide 402
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg
toluene - CAS: 108-88-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 5000 mg/kg - Duration: 24h
Test: LD50 - Route: Skin - Species: Rabbit 12267 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 25.7 mg/l - Duration: 4h
propan-2-ol - CAS: 67-63-0
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5045 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 12800 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 72000 mg/m3 - Duration: 4h
Solvent naphtha (petroleum), light arom - CAS: 64742-95-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 3592 mg/kg - Source: guide line 401 (OECD)
Test: LD50 - Route: Skin - Species: Rabbit > 3160 mg/kg - Source: guide line 402 (OECD)
Test: LC50 - Route: Inhalation - Species: Rat > 6.193 mg/l - Duration: 4h - Source: guide line 403 (OECD)
b) skin corrosion/irritation:
Test: Respiratory Tract Irritant - Species: Rabbit Positive
c) serious eye damage/irritation:
Test: Eye Irritant - Species: Rabbit Negative
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: Cavia porcellus Negative
g) reproductive toxicity:
Test: Reproductive Toxicity Negative - Source: method OECD TG414
Test: Reproductive Toxicity Negative - Source: method OECD TG471 - Notes: TEST di AMES
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 7900 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 29.8 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit = 5000 mg/kg

Substance(s) listed on the NTP report on Carcinogens:
None.
Substance(s) listed on the IARC Monographs:
xylene [isomer mixture] - Group 3
ethylbenzene - Group 2B
toluene - Group 3
propan-2-ol - Group 3
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - Group 3.
Substance(s) listed as OSHA Carcinogen(s):
None.
Substance(s) listed as NIOSH Carcinogen(s):
None.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Adopt good working practices, so that the product is not released into the environment.
xylene [isomer mixture] - CAS: 1330-20-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 3.2 mg/l - Duration h: 96
Endpoint: LC50 - Species: Algae = 2.6 mg/l - Duration h: 73
sec-butyl acetate - CAS: 110-19-0
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 17 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 25 mg/l - Duration h: 48
Endpoint: LC50 - Species: Algae = 370 mg/l - Duration h: 72
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 23 mg/l - Duration h: 504
c) Bacteria toxicity:
Endpoint: EC50 - Species: Active mud = 1886 mg/l - Duration h: 6
butanone - CAS: 78-93-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 3220 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 520 mg/l - Duration h: 48

ethylbenzene - CAS: 100-41-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96
n-butyl acetate - CAS: 123-86-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 64 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia = 73 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72
toluene - CAS: 108-88-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 5.5 ml/l - Duration h: 96
Endpoint: EC50 - Species: Algae > 134 ml/l - Duration h: 72
b) Aquatic chronic toxicity:
Endpoint: EC50 - Species: Daphnia = 3.78 mg/l - Duration h: 48
propan-2-ol - CAS: 67-63-0
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 24
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 30 mg/l - Duration h: 504 - Notes: Prova semistatica
c) Bacteria toxicity:
Endpoint: EC50 - Species: Active mud > 1000 mg/l
e) Plant toxicity:
Endpoint: NOEC - Species: Algae = 1800 mg/l - Duration h: 168 - Notes: Prova statica,inibizione della crescita
Solvent naphtha (petroleum), light arom - CAS: 64742-95-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 9.22 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 6.14 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 2.9 mg/l - Duration h: 72
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 191 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 69 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 110 mg/l - Duration h: 72

Persistence and degradability
N.A.
Bioaccumulative potential
N.A.
Mobility in soil
N.A.
Other adverse effects
None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal 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.

14. TRANSPORT INFORMATION

UN number
ADR-UN Number: 1263
DOT-UN Number: 1263
IATA-UN Number: 1263
IMDG-UN Number: 1263
UN proper shipping name
ADR-Shipping Name: Paint Related material
DOT-Shipping Name: Paint Related material
IATA-Shipping Name: Paint Related material
IMDG-Shipping Name: Paint Related material
Transport hazard class(es)
ADR-Class: 3
DOT-Class: 3
IATA-Class: 3
IMDG-Class: 3
Packing group
ADR-Packing Group: II
DOT-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II
Environmental hazards
ADR-Enviromental Pollutant: No

IMDG-Marine pollutant: No

Special precautions

ADR-Tunnel Restriction Code: D/E
DOT-Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28
IATA-Passenger Aircraft: 353
IATA-Cargo Aircraft: 364
IATA-S.P.: A72
IATA-ERG: 8L
IMDG-EmS: F-E, S-E
IMDG-Storage category: B

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.
TSCA listed substances:
ethylbenzene is listed in TSCA Section 4
n-butyl acetate is listed in TSCA Section 4, Section 12b
toluene is listed in TSCA Section 8a - CAIR
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate is listed in TSCA Section 4.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.
Section 304 – Hazardous substances: no substances listed.
Section 313 – Toxic chemical list: xylene [isomer mixture], ethylbenzene, toluene, propan-2-ol, methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: xylene [isomer mixture] - Reportable quantity: 100 pounds
sec-butyl acetate - Reportable quantity: 5000 pounds
butanone - Reportable quantity: 5000 pounds
ethylbenzene - Reportable quantity: 1000 pounds
n-butyl acetate - Reportable quantity: 5000 pounds
toluene - Reportable quantity: 1000 pounds
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - Reportable quantity: 1000 pounds.
Reportable quantity for mixture: 329.6169028 pounds.

CAA - Clean Air Act

CAA listed substances:
xylene [isomer mixture] is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON
sec-butyl acetate is listed in CAA Section 111
butanone is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON
ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON
n-butyl acetate is listed in CAA Section 111
toluene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON
propan-2-ol is listed in CAA Section 111
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:
xylene [isomer mixture] is listed in CWA Section 311, Section 304
sec-butyl acetate is listed in CWA Section 311
ethylbenzene is listed in CWA Section 311, Section 304, Section 307
n-butyl acetate is listed in CWA Section 311, Section 304
toluene is listed in CWA Section 311, Section 304, Section 307
propan-2-ol is listed in CWA Section 304
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate is listed in CWA Section 311.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:
ethylbenzene - Listed as carcinogen
toluene - Listed as reproductive toxicant.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:
xylene [isomer mixture]
sec-butyl acetate
butanone
ethylbenzene
n-butyl acetate
toluene
propan-2-ol

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:
xylene [isomer mixture]
sec-butyl acetate
butanone
ethylbenzene
n-butyl acetate
toluene
propan-2-ol
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:
xylene [isomer mixture]
sec-butyl acetate
butanone
ethylbenzene
n-butyl acetate
toluene
propan-2-ol
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H315 Causes skin irritation.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects.
H350 May cause cancer.
H340 May cause genetic defects.
H317 May cause an allergic skin reaction.

Safety Data Sheet dated 1/21/2020, version 2
Sections modified from the previous revision:

3. COMPOSITION/INFORMATION ON INGREDIENTS
11. TOXICOLOGICAL INFORMATION
15. REGULATORY INFORMATION

Disclaimer:
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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.
This Safety Data Sheet 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.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
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.

NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
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