

1 Identification

- **Product identifier**
 - *Product number* CGC6A11
 - *Trade name:* **CONVERTER SPRAY/BRUSH**
 - *Application of the substance / the mixture* For professional use
- **Details of the supplier of the safety data sheet**
 - *Manufacturer/Supplier:*
IVM Chemicals srl
Viale della Stazione 3 - 27020 Parona (PV) Italy tel +39 038425441
 - *Information department:*
Environmental Health and safety office
hseoffice@ivmchemicals.com
 - *Emergency telephone number:*
ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

- **Classification of the substance or mixture**

Flam. Liq. 2	H225 Highly flammable liquid and vapor.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Carc. 2	H351 Suspected of causing cancer.
Repr. 2	H361 Suspected of damaging fertility or the unborn child.
STOT SE 3	H336 May cause drowsiness or dizziness.
STOT RE 2	H373 May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

- **Label elements**

- *GHS label elements*
The product is classified and labeled according to the Globally Harmonized System (GHS).

- *Hazard pictograms*



GHS02 GHS07 GHS08

- *Signal word* Danger
- *Hazard-determining components of labeling:*
toluene
maleic anhydride
propan-2-ol
xylene
- *Hazard statements*
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.

Product number CGC6A11
Trade name: CONVERTER SPRAY/BRUSH

(Contd. of page 1)

H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.
H373 May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



3 Composition/information on ingredients

Chemical characterization: Mixtures

· **Description:** Mixture: consisting of the following components.

Dangerous components:

108-88-3	toluene Aquatic Chronic 3, H412	30-39.99%
111-76-2	2-butoxyethanol Flam. Liq. 4, H227	25-29.99%
67-63-0	propan-2-ol 	15-19.99%
67-64-1	acetone 	2.5-4.99%

(Contd. on page 3)

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

		(Contd. of page 2)
78-93-3	butanone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	2.5-4.99%
1330-20-7	xylene ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 Aquatic Chronic 3, H412	1-2.49%
107-98-2	1-methoxy-2-propanol ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	1-2.49%
100-41-4	ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332 Aquatic Chronic 3, H412	≥0.1-<0.5%
108-31-6	maleic anhydride ⚠ Resp. Sens. 1, H334 ⚠ Skin Corr. 1B, H314 ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.001-<0.01%

4 First-aid measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

personal protective equipment for first aid responders is recommended. (please see section 8)

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Take off immediately all contaminated clothing, include underwear and shoes (if necessary).

Rinse thoroughly with plenty of water for at least 20 minutes and take medical advise. If medical advise is needed have products container or label at hand.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Do not induce vomiting; immediately call for medical help.

· Information for doctor:

· Most important symptoms and effects, both acute and delayed

Allergic reactions

For symptoms and effects caused by substances, refer to Section 11.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

US

(Contd. on page 4)

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 3)

5 Fire-fighting measures

- **Extinguishing media**

- *Suitable extinguishing agents:*

- Alcohol resistant foam

- Alcohol resistant foam, CO, powder, water spray/mist.

- *For safety reasons unsuitable extinguishing agents:*

- Do not use a jet water stream as it may scatter and spread fire.

- **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

In case of fire, the following can be released:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

- **Advice for firefighters**

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

- *Protective equipment:*

- Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources

- **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to Section 13.

Ensure adequate ventilation.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

- **Protective Action Criteria for Chemicals**

· PAC-1:		
108-88-3	toluene	67 ppm
111-76-2	2-butoxyethanol	60 ppm
67-63-0	propan-2-ol	400 ppm
67-64-1	acetone	200 ppm
471-34-1	calcium carbonate	45 mg/m
78-93-3	butanone	200 ppm
1330-20-7	xylene	130 ppm
107-98-2	1-methoxy-2-propanol	100 ppm

(Contd. on page 5)

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 4)

100-41-4	ethylbenzene	33 ppm
· PAC-2:		
108-88-3	toluene	560 ppm
111-76-2	2-butoxyethanol	120 ppm
67-63-0	propan-2-ol	2000* ppm
67-64-1	acetone	3200* ppm
471-34-1	calcium carbonate	210 mg/m
78-93-3	butanone	2700* ppm
1330-20-7	xylene	920* ppm
107-98-2	1-methoxy-2-propanol	160 ppm
100-41-4	ethylbenzene	1100* ppm
· PAC-3:		
108-88-3	toluene	3700* ppm
111-76-2	2-butoxyethanol	700 ppm
67-63-0	propan-2-ol	12000** ppm
67-64-1	acetone	5700* ppm
471-34-1	calcium carbonate	1,300 mg/m
78-93-3	butanone	4000* ppm
1330-20-7	xylene	2500* ppm
107-98-2	1-methoxy-2-propanol	660 ppm
100-41-4	ethylbenzene	1800* ppm

7 Handling and storage

· Handling:

· Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Protect against electrostatic charges.

Keep respiratory protective device available.

Use explosion-proof apparatus / fittings and spark-proof tools.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store in a cool, well-ventilated area, away from heat and sources of ignition

Provide solvent resistant, sealed floor.

Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods.

In cases where there is no reported expiration date, it means that the product must be used within 8 months.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Keep receptacle tightly sealed.

(Contd. on page 6)

Product number CGC6A11
Trade name: CONVERTER SPRAY/BRUSH

(Contd. of page 5)

- Store in cool, dry conditions in well sealed receptacles.
 · **Specific end use(s)** Those typical of the product and the instructions in the data sheet if required.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

108-88-3 toluene

PEL	Long-term value: 200 ppm Ceiling limit value: 300; 500* ppm *10-min peak per 8-hr shift
REL	Short-term value: 560 mg/m , 150 ppm Long-term value: 375 mg/m , 100 ppm
TLV	Long-term value: 20 ppm BEI, OTO, A4

111-76-2 2-butoxyethanol

PEL	Long-term value: 240 mg/m , 50 ppm Skin
REL	Long-term value: 24 mg/m , 5 ppm Skin
TLV	Long-term value: 20 ppm BEI, A3

67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m , 400 ppm
REL	Short-term value: 1225 mg/m , 500 ppm Long-term value: 980 mg/m , 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4

67-64-1 acetone

PEL	Long-term value: 2400 mg/m , 1000 ppm
REL	Long-term value: 590 mg/m , 250 ppm
TLV	Short-term value: 500 ppm Long-term value: 250 ppm A4, BEI

78-93-3 butanone

PEL	Long-term value: 590 mg/m , 200 ppm
REL	Short-term value: 885 mg/m , 300 ppm Long-term value: 590 mg/m , 200 ppm
TLV	Short-term value: 300 ppm Long-term value: 200 ppm BEI

1330-20-7 xylene

PEL	Long-term value: 435 mg/m , 100 ppm
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(Contd. on page 7)

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 6)

REL Short-term value: 655 mg/m , 150 ppm
 Long-term value: 435 mg/m , 100 ppm

TLV Short-term value: (150) ppm
 Long-term value: (100) NIC-20 ppm
 BEI, A4

107-98-2 1-methoxy-2-propanol

REL Short-term value: 540 mg/m , 150 ppm
 Long-term value: 360 mg/m , 100 ppm

TLV Short-term value: 100 ppm
 Long-term value: 50 ppm
 A4

100-41-4 ethylbenzene

PEL Long-term value: 435 mg/m , 100 ppm

REL Short-term value: 545 mg/m , 125 ppm
 Long-term value: 435 mg/m , 100 ppm

TLV Long-term value: 20 NIC-20 ppm
 BEI, A3, NIC: OTO, BEI, A3

108-31-6 maleic anhydride

PEL Long-term value: 1 mg/m , 0.25 ppm

REL Long-term value: 1 mg/m , 0.25 ppm

TLV Long-term value: 0.01* mg/m
 DSEN, RSEN;*inh. fraction + vapor, A4

· Ingredients with biological limit values:**108-88-3 toluene**

BEI 0.02 mg/L
 Medium: blood
 Time: prior to last shift of workweek
 Parameter: Toluene

0.03 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Toluene

0.3 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: o-Cresol with hydrolysis (background)

111-76-2 2-butoxyethanol

BEI 200 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

67-63-0 propan-2-ol

BEI 40 mg/L
 Medium: urine
 Time: end of shift at end of workweek
 Parameter: Acetone (background, nonspecific)

(Contd. on page 8)

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 7)

67-64-1 acetone

BEI 25 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Acetone (nonspecific)

78-93-3 butanone

BEI 2 mg/L
 Medium: urine
 Time: end of shift
 Parameter: Methyl ethyl ketone (nonspecific)

1330-20-7 xylene

BEI 1.5 g/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Methylhippuric acids

100-41-4 ethylbenzene

BEI 0.15 g/g creatinine
 Medium: urine
 Time: end of shift at end of workweek
 Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

· *Additional information:* The lists that were valid during the creation were used as basis.

· **Exposure controls**· *Personal protective equipment:*· *General protective and hygienic measures:*

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the eyes and skin.
- Pregnant women should strictly avoid inhalation or skin contact.

· *Breathing equipment:*

- Short term filter device:
- Filter AX



Suitable respiratory protective device recommended.

· *Protection of hands:*

Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product .

· *Material of gloves*

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 9)

Product number CGC6A11
Trade name: CONVERTER SPRAY/BRUSH

(Contd. of page 8)

 · **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

 · **Eye protection:**


Tightly sealed goggles

9 Physical and chemical properties

 · **Information on basic physical and chemical properties**

 · **General Information**

 · **Appearance:**

 · **Form:**

Fluid

 · **Color:**

According to product specification

 · **Odor:**

Characteristic

 · **Odor threshold:**

Not determined.

 · **pH-value:**

Mixture is non-polar/aprotic.

 · **Change in condition**

 · **Melting point/Melting range:**

Undetermined.

 · **Boiling point/Boiling range:**

56 °C (132.8 °F)

 · **Flash point:**

-17 °C (1.4 °F)

 · **Flammability (solid, gaseous):**

Not applicable.

 · **Ignition temperature:**

270 °C (518 °F)

 · **Decomposition temperature:**

Not determined.

 · **Auto igniting:**

Product is not selfigniting.

 · **Danger of explosion:**

Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

 · **Explosion limits:**

 · **Lower:**

1.1 Vol %

 · **Upper:**

~20 Vol %

 · **Vapor pressure at 20 °C (68 °F):**

233 hPa (174.8 mm Hg)

 · **Density (+/- 0,03) at 20 °C (68 °F):**

0.909 g/cm (7.586 lbs/gal)

 · **Relative density**

Not determined.

 · **Vapor density**

Not determined.

 · **Evaporation rate**

Not determined.

 · **Solubility in / Miscibility with**

 · **Water:**

Not determined.

 · **Partition coefficient (n-octanol/water):** Not determined.

 · **Viscosity:**

 · **Dynamic:**

Not determined.

 · **Kinematic at 20 °C (68 °F):**

29 s (ISO 3 mm)

 · **Oxidising properties:**

N.A.

(Contd. on page 10)

US

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 9)

· Solvent content:		
· VOC content:	85.13 %	
	773.8 g/l / 6.46 lb/gal	
· Solids content:		11.6 %
· Other information (HAPS)		
108-88-3	toluene	30-39.99%
1330-20-7	xylene	1-2.49%
100-41-4	ethylbenzene	≥0.1-<0.5%
67-56-1	methanol	<0.1%
108-31-6	maleic anhydride	≥0.001-<0.01%
· Other information		No further relevant information available.

10 Stability and reactivity

- **Reactivity** typical of the product as indicated in the data sheet
- **Chemical stability** The product is stable in normal conditions of storage and use recommended
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Reacts with oxidizing agents.
Vapours may form explosive mixtures with air
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Acids, alkalis and oxidizing agents
- **Hazardous decomposition products:**

in case of possible formation of combustion:
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
ATE (Acute Toxicity Estimate)		
Oral	LD50	5,516 mg/kg (mouse)
Dermal	LD50	3,833 mg/kg
Inhalative	LC50/4 h	38.3 mg/l (mouse)
108-88-3 toluene		
Oral	LD50	5,000 mg/kg (mouse)
Dermal	LD50	12,124 mg/kg (rabbit)
Inhalative	LC50/4 h	25.7 mg/l (mouse)
111-76-2 2-butoxyethanol		
Oral	LD50	1,480 mg/kg (mouse)
Dermal	LD50	1,100 mg/kg (rab)
Inhalative	LC50/4 h	11 mg/l (mouse)

(Contd. on page 11)

US

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 10)

67-63-0 propan-2-ol

Oral	LD50	4,710 mg/kg (mouse)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	72.6 mg/l (mouse)

67-64-1 acetone

Oral	LD50	5,800 mg/kg (mouse)
Dermal	LD50	20,000 mg/kg (rabbit)
Inhalative	LC50/4 h	76 mg/l (mouse)

78-93-3 butanone

Oral	LD50	2,001 mg/kg (mouse)
Dermal	LD50	5,001 mg/kg (rabbit)
Inhalative	LC50/4 h	21 mg/l (mouse)

1330-20-7 xylene

Oral	LD50.	3,523 mg/kg (mouse)
Dermal	LD50	1,100 mg/kg (rabbit) (ATE value)
	LD50.	12,126 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (mouse) (ATE value)
	LC50/4h.	27.571 mg/l (mouse)

107-98-2 1-methoxy-2-propanol

Oral	LD50	4,016 mg/kg (mouse)
Dermal	LD50	5,001 mg/kg (rabbit)
Inhalative	LC50/4 h	5,001 mg/l (mouse)

100-41-4 ethylbenzene

Oral	LD50	3,500 mg/kg (mouse)
Dermal	LD50	15,486 mg/kg (rabbit)
Inhalative	LC50/4 h	17.2 mg/l (mouse)

108-31-6 maleic anhydride

Oral	LD50	400 mg/kg (mouse)
Dermal	LD50	2,620 mg/kg (rabbit)

· **Primary irritant effect:**· *on the skin:* Irritant to skin and mucous membranes.· *on the eye:* Irritating effect.· **Sensitization:** Sensitization possible through skin contact.· **Additional toxicological information:**

Irritant

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of damaging the unborn child.

May cause drowsiness or dizziness.

May cause damage to the central nervous system and the hearing organs through prolonged or repeated exposure. Route of exposure: Oral and Inhalation.

May be fatal if swallowed and enters airways.

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

(Contd. on page 12)

US

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 11)

· **Carcinogenic categories**

Quartz.

No significant exposure to quartz is thought to occur during the use of products in which quartz is bound to other materials, such as resin, and for quantities present in the formula

Ethylbenzene

From IARC MONOGRAPHS VOLUME 77/2000

Human carcinogenicity data

Two studies of workers potentially exposed to ethylbenzene in a production plant and a styrene polymerization plant were available. In the first study, no excess of cancer incidence was found but the description of methods was insufficient to allow proper evaluation of this finding. In the second study, no cancer mortality excess was observed during the follow-up of 15 years.

Evaluation

There is inadequate evidence in humans for the carcinogenicity of ethylbenzene. There is sufficient evidence in experimental animals for the carcinogenicity of ethylbenzene.

· **IARC (International Agency for Research on Cancer - Cl. 1 and 2)**

100-41-4	ethylbenzene	2B
14808-60-7	Quartz (SiO ₂)	1

· **NTP (National Toxicology Program)**

14808-60-7	Quartz (SiO ₂)	<0.1%
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· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.		
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12 Ecological information

· **Toxicity Harmful to aquatic life with long lasting effects.**· **Aquatic toxicity:****108-88-3 toluene**

EC50	134 mg/l (algae) (96 h)
	3.78 mg/l (daphnia) (48 h)
LC50 (96h)	5.5 mg/l (Fish)

111-76-2 2-butoxyethanol

EC50	101 mg/l (daphnia) (24 h)
LC50 (96h)	101 mg/l (Fish)

67-63-0 propan-2-ol

EC50	1,001 mg/l (algae) (72 h)
	10,000 mg/l (daphnia) (24 h)
LC50 (96h)	9,640 mg/l (Fish)

67-64-1 acetone

EC50	8,800 mg/l (daphnia)
LC50 (96h)	5,540 mg/l (Fish)

78-93-3 butanone

EC50	2,029 mg/l (algae) (96 h)
	308 mg/l (daphnia) (48 h)
LC50 (96h)	2,993 mg/l (Fish)

(Contd. on page 13)

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 12)

1330-20-7 xylene

EC50	2.2 mg/l (algae) (72h)
LC50 48h	1 mg/l (daphnia)
LC50 (96h)	2.6 mg/l (Fish)

107-98-2 1-methoxy-2-propanol

EC50	21,100 mg/l (daphnia) (48 h)
LC50 (96h)	6,812 mg/l (Fish)

100-41-4 ethylbenzene

EC50	438 mg/l (algae) (72h)
	1.8 mg/l (daphnia) (48 h)
LC50 (96h)	12.1 mg/l (Fish)

108-31-6 maleic anhydride

EC50	29 mg/l (algae) (72 h)
	42.8 mg/l (daphnia) (48 h)
LC50 (96h)	75 mg/l (Fish)

- **Persistence and degradability**

Data refers to the substance Toluene CAS No. 108-88-3

Readily biodegradable (according to OECD criteria and/or EU RAR)

- **Substances Easily biodegradable**

108-88-3	toluene	.
111-76-2	2-butoxyethanol	.
67-63-0	propan-2-ol	.
67-64-1	acetone	.
78-93-3	butanone	.
1330-20-7	xylene	.
107-98-2	1-methoxy-2-propanol	.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Hand over to hazardous waste disposers.

Dispose of contents and container in accordance with local state and federal regulations.

(Contd. on page 14)

Product number CGC6A11
Trade name: CONVERTER SPRAY/BRUSH

(Contd. of page 13)


- **Uncleaned packagings:**
 - *Recommendation:* Disposal must be made according to official regulations.
 - *Recommended cleansing agent:* Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
 - DOT, IMDG, IATA UN1263
 - Note Check the viscosity at section 9

- **UN proper shipping name**
 - DOT Paint
 - IMDG, IATA PAINT

- **Transport hazard class(es)**
 - DOT



 - Class 3 Flammable liquids
 - Label 3
 - Class 3 Flammable liquids
 - Label 3

- **IMDG, IATA**



 - Class 3 Flammable liquids
 - Label 3

- **Packing group**
 - DOT, IMDG, IATA II

- **Environmental hazards:**
 - Marine pollutant: No

- **Special precautions for user** Warning: Flammable liquids
 - Hazard identification number (Kemler code): 33
 - EMS Number: F-E, S-E
 - Stowage Category B

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:**
 - IMDG
 - Limited quantities (LQ) 5L

(Contd. on page 15)

Product number CGC6A11
Trade name: CONVERTER SPRAY/BRUSH

(Contd. of page 14)

· Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation":

UN 1263 PAINT, 3, II

15 Regulatory information

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

- Various regulations
- SARA

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings) :

108-88-3	toluene	30-39.99%
111-76-2	2-butoxyethanol	25-29.99%
67-63-0	propan-2-ol	15-19.99%
1330-20-7	xylene	1-2.49%
100-41-4	ethylbenzene	≥0.1-<0.5%
67-56-1	methanol	<0.1%
108-31-6	maleic anhydride	≥0.001-<0.01%

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

108-88-3	toluene
1330-20-7	xylene
100-41-4	ethylbenzene
67-56-1	methanol
108-31-6	maleic anhydride

· Proposition 65

· Chemicals known to cause cancer:
 Quartz (SiO₂) only in bound form

100-41-4	ethylbenzene	*	≥0.1-<0.5%
14808-60-7	Quartz (SiO ₂)	*	<0.1%

· Chemicals known to cause reproductive toxicity for females:

1589-47-5	2-methoxypropanol	<0.01%
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· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

108-88-3	toluene	30-39.99%
67-56-1	methanol	<0.1%

(Contd. on page 16)

Product number CGC6A11**Trade name: CONVERTER SPRAY/BRUSH**

(Contd. of page 15)

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

108-88-3	toluene	II	30-39.99%
111-76-2	2-butoxyethanol	NL	25-29.99%
67-64-1	acetone	I	2.5-4.99%
78-93-3	butanone	I	2.5-4.99%
1330-20-7	xylene	I	1-2.49%
100-41-4	ethylbenzene	D	≥0.1-<0.5%

· **TLV (Threshold Limit Value)**

108-88-3	toluene	A4
111-76-2	2-butoxyethanol	A3
67-63-0	propan-2-ol	A4
67-64-1	acetone	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
1330-20-7	xylene	A4
100-41-4	ethylbenzene	A3
14808-60-7	Quartz (SiO ₂)	A2
108-31-6	maleic anhydride	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

14808-60-7	Quartz (SiO ₂)	<0.1%
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· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** IVM Chemicals Srl
- **Contact:** See emergency phone
- **Date of preparation / last revision** 08/30/2021 / 14

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 BEI: Biological Exposure Limit
 Flam. Liq. 2: Flammable liquids . Category 2
 Flam. Liq. 3: Flammable liquids . Category 3
 Flam. Liq. 4: Flammable liquids . Category 4

(Contd. on page 17)

Product number CGC6A11
Trade name: CONVERTER SPRAY/BRUSH

(Contd. of page 16)

Acute Tox. 4: Acute toxicity . Category 4

Skin Corr. 1B: Skin corrosion/irritation . Category 1B

Skin Irrit. 2: Skin corrosion/irritation . Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation . Category 2A

Resp. Sens. 1: Respiratory sensitisation . Category 1

Skin Sens. 1: Skin sensitisation . Category 1

Carc. 2: Carcinogenicity . Category 2

Repr. 2: Reproductive toxicity . Category 2

STOT SE 3: Specific target organ toxicity (single exposure) . Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) . Category 2

Asp. Tox. 1: Aspiration hazard . Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard . Category 3

• **Sources**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL and following amendments

Agency ECHA web site

INRS Fiche Toxicologique

IARC International agency for research on cancer

• *** Data compared to the previous version altered.**