

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

Safety Data Sheet date: 1/17/2025, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: CS-9903 Primer

Other means of identification:

SDS code: CS9903P

Recommended use of the chemical and restrictions on use

Recommended use:

Industrial uses

Sealant

Restrictions on use:

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

Manufacturers:

Flamemaster Corp., 13576 Desmond Street, Pacoima, CA 91331 - USA CAGE Code: 14439

Distributors:

Flamemaster Corp., Tel 818-890-1401, Fax 818-890-6001, www.flamemaster.com

Competent person responsible for the safety data sheet:

Flamemaster Corp., Tel 818-890-1401, Fax 818-890-6001, www.flamemaster.com


Emergency phone number:


CHEMTEL: +1-813-248-0585 (International); 1-800-255-3924 (USA)

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, Carc. 2, Suspected of causing cancer.

 Warning, STOT SE 3, May cause drowsiness or dizziness.

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

Aquatic Acute 3, Harmful to aquatic life.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H402 Harmful to aquatic life.

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 hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves/clothing and eye/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water/...
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.
P332+P313 If skin irritation 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.
P370+P378 In case of fire: Use Alcohol foam, carbon dioxide (CO₂), dry chemical, water spray/water fog to extinguish.
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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 60% - < 70% propan-2-ol; isopropyl alcohol; isopropanol
Index number: 603-117-00-0, CAS: 67-63-0, EC: 200-661-7



B.6/2 Flam. Liq. 2 H225

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

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

 A.8/3 STOT SE 3 H336

>= 12.5% - < 15% Acetone; propan-2-one; propanone
Index number: 606-001-00-8, CAS: 67-64-1, EC: 200-662-2

 B.6/2 Flam. Liq. 2 H225

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


 A.8/3 STOT SE 3 H336

>= 12.5% - < 15% Xylene
REACH No.: 01-2119488216-32, CAS: 1330-20-7, EC: 215-535-7

 A.8/3 STOT SE 3 H335


 B.6/2 Flam. Liq. 2 H225

US-HAE/A2 Aquatic Acute 2 H401

 A.10/1 Asp. Tox. 1 H304

US-HAE/C3 Aquatic Chronic 3 H412

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

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

 A.2/2 Skin Irrit. 2 H315

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

 A.9/2 STOT RE 2 H373

>= 3% - < 5% ethylbenzene
REACH No.: 01-2119489370-35, 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.1/4/Inhal Acute Tox. 4 H332

 A.6/2 Carc. 2 H351

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

 A.9/2 STOT RE 2 H373

US-HAE/A2 Aquatic Acute 2 H401
US-HAE/C3 Aquatic Chronic 3 H412

>= 1% - < 3% tetraethyl silicate; ethyl silicate

REACH No.: 01-2119496195-28, Index number: 014-005-00-0, CAS: 78-10-4, EC: 201-083-8

 B.6/3 Flam. Liq. 3 H226

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

 A.8/3 STOT SE 3 H335

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

>= 1% - < 3% BUTANOL

CAS: 71-36-3

 B.6/3 Flam. Liq. 3 H226

 A.1/4/Oral Acute Tox. 4 H302

 A.2/2 Skin Irrit. 2 H315

 A.3/1 Eye Dam. 1 H318

 A.8/3 STOT SE 3 H335

 A.8/3 STOT SE 3 H336

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 of safely.

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

In case of eyes contact:

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

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

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

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire: Use Alcohol foam, carbon dioxide (CO₂), dry chemical, water spray/water fog to extinguish.

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.

Remove persons to safety.

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.

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

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

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

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.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

Storage temperature:
 Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

- OEL Type: National - STEL: 980 mg/m³, 400 ppm - Notes: France
- OEL Type: National - TWA: 500 mg/m³, 200 ppm - Notes: DFG, Y - Germany
- OEL Type: National - TWA: 999 mg/m³, 400 ppm - STEL: 1250 mg/m³, 500 ppm - Notes: United Kingdom
- OEL Type: ACGIH - TWA(8h): 200 ppm - STEL: 400 ppm - Notes: A4, BEI - Eye and URT irr, CNS impair
- OEL Type: National - TWA: 999 mg/m³, 400 ppm - STEL: 1250 mg/m³, 500 ppm
- OEL Type: OSHA PEL - TWA: 980 mg/m³, 400 ppm
- OEL Type: NIOSH REL - TWA: 980 mg/m³, 400 ppm - STEL: 1225 mg/m³, 500 ppm
- OEL Type: National - TWA: 500 mg/m³, 200 ppm - STEL(30min (Miw)): 1960 mg/m³, 800 ppm - Notes: Österreich

Acetone; propan-2-one; propanone - CAS: 67-64-1

- OEL Type: National - TWA(8h): 1200 mg/m³ - Notes: Germany - Notes DFG
- OEL Type: National - TWA(8h): 1210 mg/m³, 500 ppm - STEL: 2420 mg/m³, 1000 ppm - Notes: France VLEC - TMP N° 84
- OEL Type: EU - TWA(8h): 1210 mg/m³, 500 ppm
- OEL Type: ACGIH - TWA(8h): 250 ppm - STEL: 500 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
- OEL Type: National - TWA: 1200 mg/m³, 500 ppm - STEL(15'): 4800 mg/m³, 2000 ppm - Notes: Österreich
- OEL Type: National - TWA(8h): 1210 mg/m³, 500 ppm - STEL(15min (Miw)): 3620 mg/m³, 1500 ppm - Notes: United Kingdom

Xylene - CAS: 1330-20-7

- OEL Type: National - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: France VLEC - TMP N° 4Bis, 84
- OEL Type: National - TWA(8h): 440 mg/m³, 100 ppm - Notes: Germany - DFG, H
- OEL Type: National - TWA(8h): 220 mg/m³, 50 ppm - STEL: 441 mg/m³, 100 ppm - Notes: UK (WELs)
- OEL Type: EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair
- OEL Type: National - TWA: 435 mg/m³, 100 ppm - STEL: 870 mg/m³, 200 ppm - Notes: Swiss - SUVA
- OEL Type: National - TWA: 221 mg/m³, 50 ppm - STEL(15min (Miw)): 442 mg/m³, 100 ppm - Notes: Österreich

ethylbenzene - CAS: 100-41-4

- OEL Type: National - TWA(8h): 88.4 mg/m³, 20 ppm - Notes: Germany - EU, H
- OEL Type: National - TWA(8h): 88.4 mg/m³, 20 ppm - STEL: 442 mg/m³, 100 ppm - Notes: France VLEC - TMP N° 84
- OEL Type: National - TWA(8h): 441 mg/m³, 100 ppm - STEL: 552 mg/m³, 125 ppm - Notes: UK (WELs)
- OEL Type: EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff; CNS impair
- OEL Type: National - STEL: 220 mg/m³ - Notes: Swiss
- OEL Type: MAK - TWA: 440 mg/m³, 100 ppm - STEL(5 min (Mow)): 880 mg/m³, 200 ppm - Notes: Österreich

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

tetraethyl silicate; ethyl silicate - CAS: 78-10-4
- OEL Type: EU - TWA(8h): 44 mg/m³, 5 ppm
- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: URT and eye irr, kidney dam
- OEL Type: National - TWA(8h): 44 mg/m³, 5 ppm - Notes: France INRS VLEI

BUTANOL - CAS: 71-36-3
- OEL Type: OSHA PEL - TWA: 300 mg/m³, 100 ppm
- OEL Type: ACGIH - TWA: 20 ppm

DNEL Exposure Limit Values

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Worker Industry: 888 mg/kg - Consumer: 319 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Industry: 500 mg/kg - Consumer: 89 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects
Consumer: 26 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects

Acetone; propan-2-one; propanone - CAS: 67-64-1
Worker Industry: 2420 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term,
local effects - Notes: 1h
Worker Industry: 186 mg/kg - Consumer: 62 mg/kg - Exposure: Human Dermal -
Frequency: Short Term (acute) - Notes: 8h for workers, 24h for consumer
Worker Industry: 1210 mg/m³ - Consumer: 200 mg/m³ - Exposure: Human Inhalation -
Frequency: Short Term (acute) - Notes: 24h for consumer
Consumer: 62 mg/kg - Exposure: Human Oral - Frequency: Short Term (acute)
Worker Industry: 500 ppm - Exposure: Human Inhalation - Frequency: Long Term,
systemic effects

Xylene - CAS: 1330-20-7
Worker Professional: 289 mg/m³ - Consumer: 174 mg/m³ - Exposure: Human
Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 289 mg/m³ - Exposure: Human Inhalation - Frequency: Short
Term, local effects
Worker Professional: 180 mg/kg b.w./day - Consumer: 108 mg/kg - Exposure: Human
Dermal - Frequency: Long Term, systemic effects
Worker Professional: 77 mg/m³ - Consumer: 14.8 mg/m³ - Exposure: Human
Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.6 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term,
systemic effects

ethylbenzene - CAS: 100-41-4
Worker Industry: 77 mg/m³ - Consumer: 15 mg/m³ - Exposure: Human Inhalation -
Frequency: Long Term, systemic effects
Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic
effects
Worker Industry: 180 mg/kg - Exposure: Human Dermal - Frequency: Long Term,
systemic effects
Worker Industry: 293 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term,
local effects

PNEC Exposure Limit Values

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
Target: Fresh Water - Value: 140.9 mg/l
Target: Marine water - 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: Microorganisms in sewage treatments - Value: 2251 mg/l
Target: Water (intermittent discharge) - Value: 140.9 mg/l
Target: Oral (secondary poisoning) (foodstuff) - Value: 160 mg/kg

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

Acetone; propan-2-one; propanone - 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: Soil - Value: 29.5 mg/kg
 Target: Microorganisms in sewage treatments - Value: 100 mg/l
 Target: Water (intermittent discharge) - Value: 21 mg/l

Xylene - CAS: 1330-20-7
 Target: Marine water - Value: 0.327 mg/l - Notes:: evaluation factor : 1
 Target: Marine water sediments - Value: 12.46 mg/kg
 Target: Soil (agricultural) - Value: 2.31 mg/kg
 Target: Microorganisms in sewage treatments - Value: 6.58 mg/l
 Target: Soil - Value: 2.31 mg/kg - Notes:: Assessment factor/ 1 / ECHA

ethylbenzene - CAS: 100-41-4
 Target: Marine water - Value: 0.01 mg/l - Notes:: factor assessment : 10
 Target: Marine water - Value: 0.1 mg/l - Notes:: factor assessment : 18
 Target: PNEC predator - Value: 2.68 mg/kg - Notes:: ECHA

tetraethyl silicate; ethyl silicate - CAS: 78-10-4
 Target: Fresh Water - Value: 0.192 mg/l
 Target: Marine water - Value: 0.0192 mg/l
 Target: Freshwater sediments - Value: 0.83 mg/kg
 Target: Marine water sediments - Value: 0.083 mg/kg
 Target: Soil - Value: 0.05 mg/kg
 Target: Sewage treatment plant - Value: 4000 mg/l
 Target: Water (intermittent discharge) - Value: 10 mg/l

Biological Exposure Index

Xylene - CAS: 1330-20-7
 Remark: ACGIH BEL (2009)
 Remark: FR IBE (1997)

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 adequate protective respiratory equipment.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Amber	--	--
Odour:	Ketone Odor	--	--
Odour threshold:	N.A.	--	--
pH:	N.A.	--	--

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash Point (°F):	10	--	--
Flash point (°C):	-12	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	N.A.	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

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

None

Conditions to avoid

Avoid accumulating electrostatic charge.

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:

CS-9903 Primer

Acute toxicity

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

Not classified
Based on available data, the classification criteria are not met
ATEmix - Oral 22000 mg/kg bw
ATEmix - Dermal 8066.67 mg/kg bw
ATEmix - Inhalation (Vapours) 53.7778 mg/l

Skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation
The product is classified: Eye Irrit. 2A 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
The product is classified: Carc. 2 H351

Reproductive toxicity
Not classified
Based on available data, the classification criteria are not met

STOT-single exposure
The product is classified: 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 product:
propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 4570 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 20 mg/l - Duration: 8h
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 25000 mg/m³ - Duration: 6 hours
Test: LD50 - Route: Skin - Species: Rabbit = 12.800 mg/kg

Reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Rat = 500 mg/kg

STOT-repeated exposure:
Test: NOAEL - Route: Inhalation - Species: Rat = 1.3 mg/l
Test: NOAEL - Route: Inhalation Vapour - Species: Rat (Male, female) = 12.5 mg/l

Acetone; propan-2-one; propanone - CAS: 67-64-1

Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 5800 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 76 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 15800 mg/kg

Xylene - CAS: 1330-20-7

Acute toxicity:
Test: LD50 - Route: Oral = 1100 mg/kg
Test: LC50 - Route: Inhalation Vapour = 11 mg/l

Carcinogenicity:
Test: NOAEL - Route: Oral - Species: Rat > 500 mg/kg bw/day

ethylbenzene - CAS: 100-41-4

Acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit = 4100 mg/kg
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

Test: LC50 - Route: Inhalation - Species: Rat > 20 mg/l - Duration: 4h
Test: LCL0 - Route: Inhalation - Species: Rat = 4000 ppm - Duration: 4h
tetraethyl silicate; ethyl silicate - CAS: 78-10-4
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat (Male, female) > 2500 mg/kg - Source: OECD 423
Test: LD50 - Route: Oral - Species: Rat = 6270 mg/kg - Notes: RTECS
Test: LC50 - Route: Inhalation - Species: Rat (male) = 10 mg/l - Duration: 4h - Source: OECD 403
Test: LD50 - Route: Skin - Species: Rabbit = 5878 mg/kg - Notes: RTECS
BUTANOL - CAS: 71-36-3
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 0.790 g/kg
Test: LD50 - Route: Skin - Species: Rabbit 3.4 g/kg
Test: LC50 - Route: Inhalation - Species: Rat 8000 ppm - Duration: 4h

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

propan-2-ol; isopropyl alcohol; isopropanol - Group 3

Xylene - Group 3

ethylbenzene - Group 2B.

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.

CS-9903 Primer

The product is classified: Aquatic Acute 3 - H402

propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 48 - Notes: Leuciscus melanotus

Endpoint: LC50 - Species: Fish = 9640 mg/l - Duration h: 96 - Notes: Pimephales promelas

Endpoint: LC50 - Species: Daphnia > 10.000 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: Scenedesmus subspicatus

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: NOAEC - Species: Algae = 1800 mg/l - Duration h: 84 - Notes: Algues vertes / Green algae

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 100 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

c) Bacteria toxicity:

Species: bacteria = 1.050 mg/l

Acetone; propan-2-one; propanone - CAS: 67-64-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: Salmo gairdneri

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

- Endpoint: NOEC - Species: Algae = 430 mg/l - Duration h: 96 - Notes: Prorocentrum minimum, marine water
- b) Aquatic chronic toxicity:
 Endpoint: NOEC - Species: Daphnia = 2212 mg/l - Duration h: 672 - Notes: Daphnia pulex
- Xylene - CAS: 1330-20-7
- a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
 Endpoint: LC50 - Species: Aquatic invertebrates = 1 mg/l - Duration h: 24 - Notes: Daphnia magna
 Endpoint: EC50 - Species: Aquatic plants = 2.2 mg/l - Duration h: 73 - Notes: Pseudokirchneriella subcapitata
 Endpoint: NOEC - Species: Microorganisms = 157 mg/l - Duration h: 73 - Activated sludge
- b) Aquatic chronic toxicity:
 Endpoint: NOEC - Species: Fish > 1.3 mg/l - Duration h: 1344 - Notes: Oncorhynchus mykiss
 Endpoint: NOEC - Species: Aquatic invertebrates = 1.17 mg/l - Duration h: 1344168 - Notes: Ceriodaphnia dubia
- ethylbenzene - CAS: 100-41-4
- a) Aquatic acute toxicity:
 Endpoint: EC50 - Species: Daphnia > 1.37 mg/l - Duration h: 48
 Endpoint: EC50 - Species: Daphnia < 4.4 mg/l - Duration h: 48
 Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
- b) Aquatic chronic toxicity:
 Endpoint: NOEC - Species: Fish > 1 mg/l
- tetraethyl silicate; ethyl silicate - CAS: 78-10-4
- a) Aquatic acute toxicity:
 Endpoint: LC50 - Species: Fish > 245 mg/l - Duration h: 96 - Notes: Reg (CE) n° 440/2008, annexe, C.1)
 Endpoint: EC50 - Species: Aquatic invertebrates > 75 mg/l - Duration h: 48 - Notes: OECD 202
 Endpoint: EC50r - Species: Algae > 100 mg/l - Duration h: 72 - Notes: OECD 201
 Endpoint: EC50 - Species: bacteria > 100 mg/l - Duration h: 3 - Notes: OECD 209
- Persistence and degradability
- propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
 Biodegradability: Readily biodegradable - Duration: 5 days - %: 53 - Notes: Aerobie, activated sludge
 Biodegradability: Oxidizes rapidly by photochemical reactions in air.
 Biodegradability: Photodegradation (in air) - overall half-life time - Test: Degradation half-life in fresh or estuarine water - Duration: 33 hours
- Acetone; propan-2-one; propanone - CAS: 67-64-1
 Biodegradability: Persistence - Duration: 28 days - %: 91
 Biodegradability: Chemical Oxygen Demand (COD) - Notes: 2,21 g O2/g matière
- Xylene - CAS: 1330-20-7
 Biodegradability: Biodegradability rate - Duration: 28 days - %: 87.8%
- tetraethyl silicate; ethyl silicate - CAS: 78-10-4
 Biodegradability: Readily biodegradable - %: 98% - Notes: (Dir 67/548/CEE, Annexe V, C.4.A.)
- Bioaccumulative potential
- propan-2-ol; isopropyl alcohol; isopropanol - CAS: 67-63-0
 Estimated not significantly bioaccumulative.
 Log Pow <=4

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

Log Kow 0.05 - Notes: 25°C
 Acetone; propan-2-one; propanone - CAS: 67-64-1
 BCF 3
 Log Pow - 0.24 - Notes: 20 °C
 Log Kow 0.17 - Notes: 20 °C
 Xylene - CAS: 1330-20-7
 Log Pow 3.2
 BCF 25.9 - Notes: Oncorhynchus mykiss
 ethylbenzene - CAS: 100-41-4
 Log Kow 3.15

Mobility in soil
 Acetone; propan-2-one; propanone - CAS: 67-64-1
 Volatility (H: Henry's Law Constant) 2929-3070 Pa.m3/mol - Notes: 25 °C (low volatility)
 Xylene - CAS: 1330-20-7
 Log Koc 2.73 - Notes: Soil, 20-25°C
 Surface tension 29.76 mN/m - Notes: 25°C

Other adverse effects
 No harmful effects expected.

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: 1139
 DOT number: UN1139
 IATA-UN Number: 1139
 IMDG-UN Number: 1139

UN proper shipping name
 ADR-Shipping Name: COATING SOLUTION
 DOT-Shipping Name: Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)
 IATA-Shipping Name: COATING SOLUTION
 IMDG-Shipping Name: COATING SOLUTION

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

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

Environmental hazards

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

ADR-Environmental Pollutant: Yes
 IMDG-Marine pollutant: Yes
 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
 N.A.

Special precautions

DOT Special provisions: 149, IB2, T4, TP1, TP8
 ADR-Subsidiary hazards: -
 ADR-S.P.: 640D
 ADR-Transport category (Tunnel restriction code): 2 (D/E)
 IATA-Passenger Aircraft: 353
 IATA-Subsidiary hazards: -
 IATA-Cargo Aircraft: 364
 IATA-S.P.: A3
 IATA-ERG: 3L
 IMDG-EmS: F-E , S-E
 IMDG-Subsidiary hazards: -
 IMDG-Stowage and handling: Category B
 IMDG-Segregation: -

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: All the components of this product are listed as active on or are exempt from the TSCA Inventory..

TSCA sections for substances listed in section 3:

propan-2-ol; isopropyl alcohol; isopropanol is listed in TSCA Section 8d HSDR, Section 8b

Acetone; propan-2-one; propanone is listed in TSCA Section 8b

Xylene is listed in TSCA Section 8b

ethylbenzene is listed in TSCA Section 8d HSDR, Section 8b

tetraethyl silicate; ethyl silicate is listed in TSCA Section 8b, Section 8a - PAIR

BUTANOL is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 Extremely Hazardous Substances: no substances listed.

Section 304 Hazardous substances: Acetone; propan-2-one; propanone, Xylene, ethylbenzene, BUTANOL.

Section 313 Toxic chemical list: propan-2-ol; isopropyl alcohol; isopropanol, Xylene, ethylbenzene, BUTANOL.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

Substance(s) listed under CERCLA: Acetone; propan-2-one; propanone - Reportable quantity: 5000 pounds

Xylene - Reportable quantity: 100 pounds

ethylbenzene - Reportable quantity: 1000 pounds

BUTANOL - Reportable quantity: 5000 pounds.

Reportable quantity for mixture: 733.3333333 pounds.

CAA - Clean Air Act

CAA listed substances:

propan-2-ol; isopropyl alcohol; isopropanol is listed in CAA Section 111

Acetone; propan-2-one; propanone is listed in CAA Section 111, Section 112(b) - HON

Xylene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON
BUTANOL is listed in CAA Section 111.

CWA - Clean Water Act

CWA listed substances:

propan-2-ol; isopropyl alcohol; isopropanol is listed in CWA Section 304

Acetone; propan-2-one; propanone is listed in CWA Section 304

Xylene is listed in CWA Section 304, Section 311

ethylbenzene is listed in CWA Section 304, Section 307, Section 311, CWA Priority
Pollutants.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

ethylbenzene - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

propan-2-ol; isopropyl alcohol; isopropanol

Acetone; propan-2-one; propanone

Xylene

ethylbenzene

tetraethyl silicate; ethyl silicate

BUTANOL.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

propan-2-ol; isopropyl alcohol; isopropanol

Acetone; propan-2-one; propanone

Xylene

ethylbenzene

tetraethyl silicate; ethyl silicate

BUTANOL.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

propan-2-ol; isopropyl alcohol; isopropanol

Acetone; propan-2-one; propanone

Xylene

ethylbenzene

tetraethyl silicate; ethyl silicate

BUTANOL.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H335 May cause respiratory irritation.

H401 Toxic to aquatic life.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

- H315 Causes skin irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H351 Suspected of causing cancer.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H318 Causes serious eye damage.

According to TSCA section 3(2)(B)(i) : a hydrated form of a chemical substance is considered a mixture of the corresponding anhydrous form and water.

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.
 - ATE: Acute Toxicity Estimate
 - ATEmix: Acute toxicity Estimate (Mixtures)
 - CAS: Chemical Abstracts Service (division of the American Chemical Society).
 - CLP: Classification, Labeling, Packaging.
 - DNEL: Derived No Effect Level.
 - EINECS: European Inventory of Existing Commercial Chemical Substances.
 - 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.
- TOTAL
 VOC'S
 (TVOC) /
 NONEXEMPT
 VOC'S
 (CVOC):
 Using

Safety Data Sheet (HazCom 2012)
CS-9903 Primer - CS9903P

California
South Coast
Air Quality
Management
District
(SCAQMD)
Rule 1143.

STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWA: Time-weighted average

Safety Data Sheet date: 1/17/2025, version 1