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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name

5900 3-2-1 Surfacer

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

Relevant identified uses

Primer filler

Uses advised against

No information.

1.3. Details of the supplier of the safety data sheet

Manufacturer

SILCO, D.O.O. Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia Phone: +386 3 703 3180 Fax: +386 3 703 3188 E-mail: n.cvilak@silco-automotive.com Point of contact for safety info: Nejc Cvilak

1.4. Emergency telephone number

Emergency

112

<u>Supplier</u>

+386 3 703 3180

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3; H226 Flammable liquid and vapour. Acute Tox. 4; H312 Harmful in contact with skin. Skin Irrit. 2; H315 Causes skin irritation. Acute Tox. 4; H332 Harmful if inhaled.



chemius.net/09R0a



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2.2 Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: Warning

- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- EUH208 Contains maleic anhydride. May produce an allergic reaction.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe mist/vapours.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local regulations.

2.2.2. Contains:

xylene (CAS: 1330-20-7, EC: 215-535-7, Index: 601-022-00-9)

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

No information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

For mixtures see 3.2.



3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
xylene ^[C]	1330-20-7 215-535-7 601-022-00-9	20-35	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332		-
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	<8	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066		01-2119485493-29
ethylbenzene	100-41-4 202-849-4 601-023-00-4	< 8	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373 (hearing organs)		-
2-butoxyethanol	111-76-2 203-905-0 603-014-00-0	< 8	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332		-
acetone	67-64-1 200-662-2 606-001-00-8	< 8	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066		-
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7	< 8	Flam. Liq. 3; H226		01-2119475791-29
toluene	108-88-3 203-625-9 601-021-00-3	< 5	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Repr. 2; H361d STOT RE 2; H373		-
methyl amyl ketone	110-43-0 203-767-1 606-024-00-3	2,5-5	Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 4; H332		-
maleic anhydride	108-31-6 203-571-6 607-096-00-9	0,1-1	Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1; H317 Resp. Sens. 1; H334		-

Notes for substances:

Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.

In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes

С

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Following inhalation

Ventilate the premises. Inhale fresh air. Remove patient to fresh air - move out of dangerous area. Seek medical help immediately.

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Following skin contact

Immediately remove contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. If irritation does not stop, seek professional medical treatment!

Following ingestion

Do not induce vomiting! Immediately consult a doctor.

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

Inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.

Skin contact

Contact with skin may cause irritation (redness, itching).

Eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

Ingestion

May cause nausea/vomiting and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Fire extinguishing powder. Carbon dioxide (CO_2) . Foam. Water spray.

Unsuitable extinguishing media

No special precautions required.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

5.3. Advice for firefighters

Protective actions

In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area.

Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Wear suitable protective face mask, protective gloves and clothing.

Emergency procedures

Keep away from sources of ignition and/or heat; No smoking!

6.1.2. For emergency responders

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems and ground water. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor.

6.3.3. Other information

6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Measures to prevent aerosol and dust generation

Measures to protect the environment

7.1.2. Advice on general occupational hygiene

Do not breathe vapours/mist. Consider measures required in Section 8 of this safety data sheet. Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Keep away from open fire, heat, sparks and direct sunlight. Keep in cool and well ventilated area.

7.2.2. Packaging materials

7.2.3. Requirements for storage rooms and vessels

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7.2.4. Storage class

7.2.5. Further information on storage conditions

7.3. Specific end use(s)

Recommendations

Keep away from incompatible material (see section 10).

Industrial sector specific solutions

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)			Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Acetone (67-64-1)	500	1210	1500	3620		
2-Butoxyethanol (111-76-2)	25	123	50	246	Sk, BMGV	240 mmol butoxyacetic acid/mol creatinine in urine - Post shift
Butyl acetate (123-86-4)	150	724	200	966		
Ethylbenzene (100-41-4)	100	441	125	552	Sk	
Heptan-2-one (110-43-0)	50	237	100	475	Sk	
Maleic anhydride (108-31-6)	-	1	-	3	Sen	
1-Methoxypropyl acetate (108-65- 6)	50	274	100	548	Sk	
Toluene (108-88-3)	50	191	100	384	Sk	
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	50	220	100	441	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

8.1.3. DNEL/DMEL values

For components

Name	Туре	Exposure route	Exposure frequency	Value	Remark
acetone (67-64-1)	Worker	inhalation	short term (systemic effects)	1210 mg/m ³	

8.1.4. PNEC values

No information.

8.2. Exposure controls

8.2.1. Appropriate engineering control

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

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8.2.2. Personal protective equipment

Eye and face protection

Tight fitting protective goggles (EN 166).

Hand protection

Protective gloves (EN 374).

Appropriate materials

Material	Thickness	Penetration Time	Remark
PVC			
Neoprene			
Nitrile			

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

In case of insufficient ventilation wear mask with filter A (EN 14387).

Thermal hazards

8.2.3. Environmental exposure controls

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

-	Physical state:	liquid
-	Colour:	
-	Odour:	

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Important health, safety and environmental information

•	рН	No information.
	Melting point/freezing point	No information.
	Initial boiling point/boiling range	No information.
	Flash point	> 23 °C
	Evaporation rate	No information.
	Flammability (solid, gas)	No information.
•	Explosion limits (vol%)	No information.
	Vapour pressure	No information.
•	Vapour density	No information.
•	Density	Relative density: 1,5 – 1,53
	Solubility	Water: Insoluble
	Partition coefficient	No information.
	Auto-ignition temperature	No information.
	Decomposition temperature	No information.
	Viscosity	No information.
	Explosive properties	No information.
	Oxidising properties	No information.

9.2. Other information

Remarks:

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

-

10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

10.5. Incompatible materials

Oxidants. Acids. Bases.

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected.

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SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

(a) Acute toxicity

Name	Exposure route	Туре	Species	Time	Value	Method	Remark
xylene (1330-20-7)	oral	LD_{50}	rat		4300 mg/kg		
xylene (1330-20-7)	dermal	LD_{50}	rabbit		2000 mg/kg		
n-butyl acetate (123-86-4)	oral	LD_{50}	mouse		6 mg/kg		
n-butyl acetate (123-86-4)	oral	LD_{50}	rat		10768 mg/kg		
ethylbenzene (100-41-4)	oral	LD_{50}	rat		3500 – 4710 mg/kg		
2-butoxyethanol (111-76-2)	oral	LD_{50}	rabbit		320 mg/kg		
acetone (67-64-1)	oral	LD_{50}	rabbit		5300 mg/kg		
2-methoxy-1-methylethyl acetate (108-65-6)	dermal	LD_{50}	rat		5000 mg/kg		
2-methoxy-1-methylethyl acetate (108-65-6)	oral	LD_{50}	rat		8532 mg/kg		
toluene (108-88-3)	oral	LD_{50}	rat		5000 mg/kg		
toluene (108-88-3)	dermal	LD_{50}	rabbit		12124 mg/kg		
toluene (108-88-3)	inhalation	LC_{50}	mouse	4 h	5320 mg/l		vapour

(b) Skin corrosion/irritation

Name	Species	Time	Result	Method	Remark
xylene (1330-20-7)			Irritating.		
2-butoxyethanol (111-76-2)			Irritating.		
acetone (67-64-1)			Irritating.		
toluene (108-88-3)			Irritating.		

(c) Serious eye damage/irritation

Name	Species	Time	Result	Method	Remark
xylene (1330-20-7)			Irritating.		
2-butoxyethanol (111-76-2)			Irritating.		

(d) Respiratory or skin sensitisation

No information.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

No information.

(h) STOT-single exposure

No information.

(i) STOT-repeated exposure

No information.

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(j) Aspiration hazard

No information.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Туре	Value	Exposure time	Species	Organism	Method	Remark
xylene (1330-20-7)	EC ₅₀	165 mg/L	48 h	crustacea			
	LC ₅₀	14 – 86 mg/L	96 h	fish			
	EC_{50}	1 – 10 mg/L	72 h	algae			
n-butyl acetate (123-86-4)	EC_{50}	32 mg/L	48 h	crustacea			
	LC ₅₀	18 mg/L	96 h	fish			
ethylbenzene (100-41-4)	EC_{50}	33 mg/L	72 h	algae			
	LC_{50}	12 mg/L	96 h	fish			
2-butoxyethanol (111-76-2)	LC_{50}	1490 mg/L	96 h	fish			
acetone (67-64-1)	EC_{50}	39 mg/L	48 h	crustacea			
	LC_{50}	5000 mg/L	96 h	fish			
2-methoxy-1-methylethyl acetate (108-65-6)	LC ₅₀	100 – 180 mg/L	96 h	fish			
	EC_{50}	500 mg/L	48 h	crustacea			
toluene (108-88-3)	LC ₅₀	0,074 mg/L	96 h	fish			

12.1.2. Chronic (long-term) toxicity

For components

Substance (CAS Nr.)	Туре	Value	Exposure time	Species	Organism	Method	Remark
acetone (67-64-1)	LC ₅₀	4042 mg/l	14 days	fish			

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

12.2.2. Biodegradation

For components

Substance (CAS Nr.)	Туре	Rate	Time	Evaluation	Method	Remark
ethylbenzene (100-41-4)	aerobic				OECD 301 A (Modified AFNOR Test)	

12.3. Bioaccumulative potential

12.3.1. Partition coefficient

No information.

12.3.2. Bioconcentration factor (BCF)

No information.

12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

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12.4.2. Surface tension

No information.

12.4.3. Adsorption/Desorption

No information.

12.5. Results of PBT and vPvB assessment

No evaluation.

12.6. Other adverse effects

No information.

12.7. Additional information

For product

Do not allow to reach ground water, water courses or sewage system. Water hazard class 2 (self-assessment): hazardous for water.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Recycle or dispose according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste.

Packaging

Deliver completely emptied containers to approved waste disposal authorities.

- 13.1.2. Waste treatment-relevant information
- 13.1.3. Sewage disposal-relevant information
- 13.1.4. Other disposal recommendations

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

UN 1263

14.2. UN proper shipping name

PAINT

14.3. Transport hazard class(es)

3

14.4. Packing group

Ш

14.5. Environmental hazards

NO.



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14.6. Special precautions for user

Limited quantities

5 L

Tunnel restriction code

(D/E)

IMDG flashpoint

23 °C, c.c.

IMDG EmS

F-E, <u>S-E</u>

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

Goods may not be carried in bulk in bulk containers, containers or vehicles.

SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

<u>15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds</u> (VOC-guideline)

EU limit values and category: B(c) 540 g/l. VOC Content: 540 g/l

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Indication of changes

Abbreviations and acronyms

- ATE Acute Toxicity Estimate
- ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- CEN European Committee for Standardisation
- C&L Classification and Labelling
- CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
- CAS# Chemical Abstracts Service number
- CMR Carcinogen, Mutagen, or Reproductive Toxicant
- CSA Chemical Safety Assessment
- CSR Chemical Safety Report
- DMEL Derived Minimal Effect Level
- DNEL Derived No Effect Level
- DPD Dangerous Preparations Directive 1999/45/EC
- DSD Dangerous Substances Directive 67/548/EEC
- DU Downstream User
- EC European Community
- ECHA European Chemicals Agency
- EC-Number EINECS and ELINCS Number (see also EINECS and ELINCS)

EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)

EEC - European Economic Community

EINECS - European Inventory of Existing Commercial Substances

ELINCS - European List of notified Chemical Substances

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EN - European Standard EQS - Environmental Quality Standard EU - European Union Euphrac - European Phrase Catalogue EWC - European Waste Catalogue (replaced by LoW - see below) GES - Generic Exposure Scenario GHS - Globally Harmonized System IATA - International Air Transport Association ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air IMDG - International Maritime Dangerous Goods IMSBC - International Maritime Solid Bulk Cargoes IT - Information Technology IUCLID - International Uniform Chemical Information Database IUPAC - International Union for Pure Applied Chemistry JRC - Joint Research Centre Kow - octanol-water partition coefficient LC₅₀ - Lethal Concentration to 50 % of a test population LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose) LE - Legal Entity LoW - List of Wastes (see http://ec.europa.eu/environment/waste/framework/list.htm) LR - Lead Registrant M/I - Manufacturer / Importer MS - Member States MSDS - Material Safety Data Sheet **OC** - Operational Conditions OECD - Organization for Economic Co-operation and Development **OEL - Occupational Exposure Limit** OJ - Official Journal **OR** - Only Representative OSHA - European Agency for Safety and Health at work PBT - Persistent, Bioaccumulative and Toxic substance PEC - Predicted Effect Concentration PNEC(s) - Predicted No Effect Concentration(s) PPE - Personal Protection Equipment (Q)SAR - Qualitative Structure Activity Relationship REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail **RIP - REACH Implementation Project** RMM - Risk Management Measure SCBA - Self-Contained Breathing Apparatus SDS - Safety data sheet SIEF - Substance Information Exchange Forum SME - Small and Medium sized Enterprises STOT - Specific Target Organ Toxicity (STOT) RE - Repeated Exposure (STOT) SE - Single Exposure SVHC - Substances of Very High Concern **UN - United Nations** vPvB - Very Persistent and Very Bioaccumulative Key literature references and sources for data

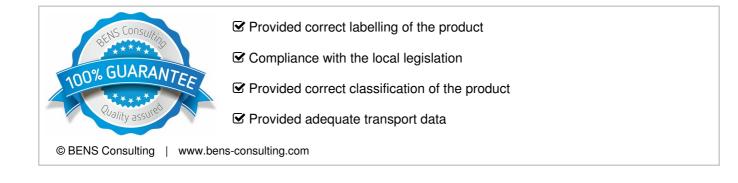
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List of relevant H phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure .
- EUH066 Repeated exposure may cause skin dryness or cracking.



The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.