

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **9600 SFR Air Cure**
Creation date: **26.6.2015** · Revision: **22.9.2016** · Version: **1**



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

1.1. Product identifier

Product name

9600 SFR Air Cure

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

Use

Varnish

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
Tel.: +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

Supplier

+386 3 703 3180



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SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Reg. 1272/2008

Flam. Liq. 3; H226 Flammable liquid and vapour.
Skin Sens. 1; H317 May cause an allergic skin reaction.
STOT SE 3; H336 May cause drowsiness or dizziness.
Repr. 1A; H360FD May damage fertility. May damage the unborn child.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

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2.2 Label elements

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



Signal word: **Danger**

H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H360FD May damage fertility. May damage the unborn child.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

P260 Do not breathe vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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.

P501 Dispose of contents/container in accordance with local regulation.

2.2.2. Contains:

n-butyl acetate

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

Hydroxyphenyl-benzotriazole derivatives

dibutyltin dilaurate

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.

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3.2. Mixtures

Chemical name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 [CLP]	REACH reg. number
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	20-<40	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	-
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7	0-20	Flam. Liq. 3; H226	-
methyl amyl ketone	110-43-0 203-767-1 606-024-00-3	5-10	Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 4; H332	-
Hydroxyphenyl-benzotriazole- derivative I	104810-48-2 - -	1-2,5	not classified	-
Hydroxyphenyl-benzotriazole- derivative II	104810-47-1 - -	1-2,5	not classified	-
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7 255-437-1 -	1-2,5	Skin Sens. 1; H317 Aquatic Chronic 2; H411	-
Hydroxyphenyl-benzotriazole derivatives	- 400-830-7 607-176-00-3	1-2,5	Skin Sens. 1; H317 Aquatic Chronic 2; H411	-
dibutyltin dilaurate	77-58-7 201-039-8 -	0,1-1	Skin Corr. 1B; H314 Skin Sens. 1; H317 Muta. 2; H341 Repr. 1A; H360FD STOT SE 1; H370 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-
Mixture of polytiols	- - -	0,1-1	Acute Tox. 4; H302 Aquatic Chronic 2; H411	-
Methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	82919-37-7 280-060-4 -	0,1-<1	Skin Sens. 1; H317 Aquatic Chronic 2; H411	-
pentaerythritol tetrakis(3- mercaptopropionate)	7575-23-7 231-472-8 -	0,1-<1	Acute Tox. 4; H302 Skin Sens. 1; H317 Aquatic Acute 1; H400 [M=10] Aquatic Chronic 1; H410 [M=10]	-
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7 - -	0,1-<1	Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-
Methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate	82919-37-7 280-060-4 -	0,01-0,1	Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	-
3-mercaptopropionic acid	107-96-0 203-537-0 -	0,01-0,1	Met. Corr. 1; H290 Acute Tox. 3; H301 Skin Corr. 1A; H314 Eye Dam. 1; H318 Acute Tox. 4; H332	-

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General measures

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Place patient stably in side position for transportation.

Inhalation

Remove patient to fresh air-move out of dangerous area. If symptoms occur it is necessary to search for medical help.

Skin contact

Immediately remove contaminated clothing. Wash thoroughly with plenty of water and soap! If symptoms persist seek medical attention.

Eye contact

Immediately flush eyes with running water, keeping eyelids open. If irritation persists, seek professional medical attention.

Ingestion

Do not induce vomiting. Rinse mouth with water. Immediately consult a specialist. Show the physician the Safety Data Sheet or label.

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

Inhalation

Vapours may cause drowsiness and dizziness.
Excessive exposure to spray mist, fog, or vapour may cause respiratory irritation.
Coughing, sneezing, nasal discharge, labored breathing.

Skin contact

Irritating to the skin.
May cause sensitisation by skin contact.

Eye contact

Redness, tearing, pain.

Ingestion

May cause nausea/vomiting and diarrhea.
Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.

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

-

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

-

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can generate; do not inhale gases/smoke.

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5.3. Advice for firefighters

Protective actions

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

Special protective equipment for fire-fighters

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

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

Emergency procedures

Ensure adequate ventilation. Keep away from sources of ignition; No smoking! Prevent access to unprotected personnel. Prevent access to unauthorised personnel. Avoid contact with skin and eyes. Do not breathe vapour or mist.

6.1.2. For emergency responders

-

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental 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 according to valid regulations on handling with waste. Ventilate the premises.

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

Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Use spark-proof tools. To protect from open fire and other sources of ignition or heat.

Measures to prevent aerosol and dust generation

Ensure good ventilation and extraction.

Measures to protect the environment

-

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7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices-wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist. Use personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Keep in tightly closed container. Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feedingsuffs.

7.2.2. Packaging materials

-

7.2.3. Requirements for storage rooms and vessels

Close open containers after use. Put the container upright to prevent from leaking.

7.2.4. Storage class

-

7.2.5. Further information on storage conditions

-

7.3. Specific end use(s)

Recommendations

-

Industrial sector specific solutions

-

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational Exposure limit values

Chemical name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Butyl acetate (123-86-4)	150	724	200	966		
Heptan-2-one (110-43-0)	50	237	100	475	Sk	
1-Methoxypropyl acetate (108-65-6)	50	274	100	548	Sk	

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

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8.1.3. DNEL values

For components

Chemical name	Type	exp. route	exp. frequency	value	Remark
n-butyl acetate (123-86-4)	Consumer	inhalation	long term (systemic effects)	102,34 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	inhalation	long term (systemic effects)	102,34 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	inhalation	short term (systemic effects)	859,7 mg/m ³	
n-butyl acetate (123-86-4)	Consumer	inhalation	short term (systemic effects)	859,7 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	long term (systemic effects)	480 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (systemic effects)	480 mg/m ³	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (systemic effects)	960 mg/m ³	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	dermal	long term (systemic effects)	54,8 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	inhalation	long term (systemic effects)	33 mg/m ³	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	oral	long term (systemic effects)	1,67 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	dermal	long term (systemic effects)	153,5 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	inhalation	long term (systemic effects)	275 mg/m ³	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)	Worker	inhalation	long term (systemic effects)	2,35 mg/m ³	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)	Worker	inhalation	short term (systemic effects)	2,35 mg/m ³	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)	Worker	dermal	long term (systemic effects)	2,5 mg/kg bw/day	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)	Worker	dermal	short term (systemic effects)	2,5 mg/kg bw/day	

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8.1.4. PNEC values

For components

Chemical name	exp. route	value	Remark
n-butyl acetate (123-86-4)	soil	0,0903 mg/kg	
n-butyl acetate (123-86-4)	fresh water	0,18 mg/l	
n-butyl acetate (123-86-4)	fresh water sediment	0,981 mg/kg	
n-butyl acetate (123-86-4)	marine water	0,018 mg/l	
n-butyl acetate (123-86-4)	marine water sediment	0,0981 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	soil	0,29 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	fresh water	0,635 mg/l	
2-methoxy-1-methylethyl acetate (108-65-6)	fresh water sediment	3,29 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	marine water	0,0635 mg/l	
2-methoxy-1-methylethyl acetate (108-65-6)	marine water sediment	0,329 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	water treatment plant	100 mg/l	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)	fresh water	0,0022 mg/l	

8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices-wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not breathe vapours/aerosols.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in the area with increased concentration.

8.2.2. Personal protective equipment

Eye and face protection

Safety glasses with side protection. (EN 166)

Hand protection

Protective gloves (EN 374). Follow the manufacturer's instructions for use, storage, maintenance and glove changing. In case of damage or at the first signs of wear and tear, change the gloves immediately.

Skin protection

Cotton protective clothing (EN ISO 13688) and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (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

- pH	No information
- Melting point	No information
- Boiling point/boiling range	No information
- Flashpoint	< 60 °C
- Evaporation rate	No information
- Ignition temperature	No information
- Explosion limits (vol%)	No information
- Vapour pressure	No information
- Vapour density	No information
- Density	No information
- Solubility	No information
- 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:	
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SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

-

10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.

10.3. Possibility of hazardous reactions

-

10.4. Conditions to avoid

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

10.5. Incompatible materials

-

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products expected. In case of fire/explosion vapours dangerous for health are spread.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Acute toxicity

No information

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11.1.2. Skin corrosion/irritation, serious eye damage/irritation, aspiration hazard

No information

11.1.3. Respiratory or skin sensitisation

No information

11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity

Carcinogenicity

No information

(Germ cell) mutagenicity

No information

Reproductive toxicity

No information

Summary of evaluation of the CMR properties

No information

11.1.5. STOT - single and repeated exposure

No information

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

No information

12.1.2. Chronic (long-term) toxicity

No information

12.2. Persistence and degradability

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

No information

12.2.2. Biodegradation

No information

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

12.4.2. Surface tension

No information

12.4.3. Adsorption/Desorption

No information

12.5. Results of PBT and vPvB assessment

No evaluation.

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12.6. Other adverse effects

No information

12.7. Additional information

For product

Toxic to aquatic organisms: may cause long-term adverse effects in the aquatic environment.
Do not allow to enter ground water, water course or sewage system.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Disposal must be made according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

Packaging

Completely emptied containers leave to approved waste disposal authorities in charge.

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

1263

14.2. UN proper shipping name

PAINT

IMDG name: PAINT (dibutyltin dilaurate)

14.3. Transport hazard class(es)

3

14.4. Packing group

III

14.5. Environmental hazards

NO

14.6. Special precautions for user

Limited quantities

5 L

Tunnel restriction code

(D/E)

IMDG flashpoint

60 °C, c.c.



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IMDG EmS

F-E, S-E

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

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

EU limit values and category: B(d1) 420 g/l. VOC Content: 420 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

-

Key literature references and sources for data

-

List of relevant H phrases

- H226 Flammable liquid and vapour.
- H290 May be corrosive to metals.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects .
- H360FD May damage fertility. May damage the unborn child.
- H370 Causes damage to organs.
- H372 Causes damage to organs through prolonged or repeated exposure .
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

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AUTOMOTIVE



- Provided correct labelling of the product
- Compliance with the local legislation
- Provided correct classification of the product
- Provided adequate transport data

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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.