

Benzyl Alcohol-SAL

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

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1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Benzyl Alcohol-SAL	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Benzyl alcohol (and) Salicylic Acid (and) Glycerin (and) Sorbic Acid	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	100-51-6, 69-72-7, 56-81-5, 110-44-1	Web:	www.makingcosmetics.com
Formula:	No data available	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)
Product Form:	Liquid		
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

GHS Classification: Acute toxicity, Category 4 H302: Harmful if swallowed.
Acute toxicity, Category 4 H332: Harmful if inhaled.
Serious eye damage, Category 1 H318: Causes serious eye damage.
Reproductive toxicity, Category 2 H361d: Suspected of damaging the unborn child.
GHS Labeling: Not a dangerous substance according to GHS

Hazard Pictograms:



Signal word:

DANGER

Hazard Statements:

H302 + H332 Harmful if swallowed or if inhaled.
H318 Causes serious eye damage.
H361d Suspected of damaging the unborn child.

Precautionary Statements:

Prevention:
P201 Obtain special instructions before use.
P261 Avoid breathing dust/ fume/ gas/ mist/vapors/ spray.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Potential Health Hazards:

Eyes: Not expected to be irritant.
Inhalation: Not expected to be irritant.
Skin: Not expected to be irritant.
Ingestion: No known hazards but may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Other Hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative, and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Ecological information: The substance/mixture does not contain components considered to have endocrine-disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Toxicological information: The substance/mixture does not contain components considered to have endocrine-disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU)

NFPA Ratings (704):	2018/605 at levels of 0.1% or higher.		
	Health	N/A	N/A
	Flammability	N/A	N/A
	Reactivity	N/A	N/A
	Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Benzyl Alcohol	100-51-6	77-86%	Not Available
Salicylic Acid	69-72-7	8-15%	Not Available
Glycerin	56-81-5	3-6%	Not Available
Sorbic Acid	110-44-1	1-4%	Not Available

4 FIRST AID MEASURES

Eyes:	Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Remove contact lenses. Keep eye wide open while rinsing. Protect unharmed eye. Continue rinsing eyes during transport to hospital. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
Inhalation:	Move to fresh air. Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration. Keep respiratory tract clear.
Skin:	After contact with skin, wash immediately with plenty of soap and water. If on clothes, remove clothes. In the case of skin irritation or allergic reactions see a physician.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Treatment:	Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (Water spray, Alcohol-resistant foam, Dry chemical) for adjacent fire. Do not use a direct water jet.
Special protective equipment & precautions for firefighters:	In the event of a fire, wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Flash Points:	132 °C
Specific hazards arising from the chemical:	Heating or fire can release toxic gas. Do not allow run-off from firefighting to enter drains or water courses. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. Use a respirator when performing operations involving potential exposure to vapor of the product. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7 HANDLING & STORAGE

Precautions for safe handling:	Do not breathe vapors/dust. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. See section 8 for recommendations on the use of personal protective equipment. Keep
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container closed when not in use.

Conditions for safe storage, incl. any incompatibilities: Keep the container tightly closed. Keep in a well-ventilated place. Electrical installations / working materials must comply with the technological safety standards. To maintain product quality, do not store in heat or direct sunlight. To prevent leaks or spillages from spreading, provide a suitable liquid retention system. Keep away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

<u>Component</u>	<u>End Use</u>	<u>Exposure Routes</u>	<u>Potential Health Effect</u>	<u>Value</u>
Benzyl alcohol	Consumers	Oral	Short-term exposure, Acute systemic effects	20 mg/kg
	Consumers	Oral	Long-term systemic effects	4 mg/kg
	Consumers	Inhalation	Short-term exposure, Acute systemic effects	27 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	5,4 mg/m ³
	Workers	Inhalation	Short-term exposure, Systemic effects	110 mg/m ³
	Workers	Inhalation	Long-term systemic effects	22 mg/m ³
	Workers	Dermal	Short-term exposure, Systemic effects	40 mg/kg
	Workers	Dermal	Long-term systemic effects	8 mg/kg
	Consumers	Dermal	Long-term systemic effects	5,7 mg/kg
	Consumers	Dermal	Acute systemic effects	28,5 mg/kg
Glycerol	Workers	Inhalation	Long-term local effects	56 mg/m ³
	Consumers	Oral	Long-term systemic effects	229 mg/kg
	Consumers	Inhalation	Long-term local effects	33 mg/m ³

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

<u>Substance name</u>	<u>Environmental Compartment</u>	<u>Value</u>	
Benzyl alcohol	Soil	0,456 mg/kg	
	Sewage treatment plant	39 mg/l	
	Marine sediment	0,527 mg/kg	
	Marine water	0,1 mg/l	
	Fresh water sediment	5,27 mg/kg	
	Fresh water	1 mg/l	
	Intermittent use/release	2,3 mg/l	
	Glycerol	Fresh water	0,885 mg/l
		Marine water	0,088 mg/l
		Intermittent use/release	8,85 mg/l
Fresh water sediment		3,3 mg/kg	
	Marine sediment	0,33 mg/kg	
	Soil	0,141 mg/kg	
	Sewage treatment plant	1000 mg/l	

Personal Protection:

Eyes: Safety glasses with side-shields conforming to EN166
Wear face-shield and protective suit for abnormal processing problems.

Inhalation: In the case of vapor formation use a respirator with an approved filter. Respirator with ABEK filter. Respirator with a vapor filter (EN 141)

Hands: Wear protective gloves (Nitrile Rubber). Break through time : > 480 min The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body: Choose body protection according to the amount and concentration of the dangerous substance at the workplace.
Impervious clothing

Other: Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid	Vapor Pressure:	No data available
Odor:	Characteristic	Density:	1,05 -1,15 g/cm ³
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Clear to Light yellow	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH:	No data available	Flash Point:	132 °C
Boiling Point:	245 °C	Specific Gravity:	No data available
Melting Point:	No data available	Solubility in Water:	slightly soluble
Relative Density:	No data available	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	Stable under recommended storage conditions.
Conditions to Avoid:	Heat
Incompatible Materials:	Strong acids and strong bases, Oxidizing agents
Hazardous Decomposition Products:	No decomposition if stored and applied as directed.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	
Acute oral toxicity:	Acute toxicity estimate: 1 431 mg/kg Method: Calculation method Benzyl alcohol (CAS-No.: 100-51-6) LD50(Rat, male): 1 620 mg/kg Salicylic acid (CAS-No.: 69-72-7) LD50(Rat): 891 mg/kg
Acute inhalation toxicity:	Acute toxicity estimate: 1,74 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method Benzyl alcohol (CAS-No.: 100-51-6) LC50(Rat): > 4,178 mg/l Exposure time: 4 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity Salicylic acid (CAS-No.: 69-72-7) LC50(Rat): > 0,9 mg/l Exposure time: 1 h Test atmosphere: dust/mist Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity:	LD50(Rabbit): estimated > 2 000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Benzyl alcohol (CAS-No.: 100-51-6) LD50(Rabbit): 2 000 mg/kg Assessment: The component/mixture is minimally toxic after single contact with skin. Remarks: Literary reference Salicylic acid (CAS-No.: 69-72-7) LD50(Rat): > 2 000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity, Not classified due to inconclusive data. LD50(Rabbit): > 10 000 mg/kg
Skin corrosion/irritation:	Benzyl alcohol (CAS-No.: 100-51-6) Species: Rabbit Exposure time: 4 h Method: OECD Test Guideline 404 Result: No skin irritation Salicylic acid (CAS-No.: 69-72-7) Species: Rabbit Assessment: No skin irritation Method: OECD Test Guideline 404 Result: No skin irritation GLP: yes
Serious eye damage/eye irritation:	Benzyl alcohol (CAS-No.: 100-51-6) Species: Rabbit Method: OECD Test Guideline 405 Result: Irritation to eyes, reversing after 7 to 21 days Salicylic acid (CAS-No.: 69-72-7) Species: Rabbit Assessment: Risk of serious damage to eyes. Result: Severe eye irritation
Respiratory or skin sensitization:	Benzyl alcohol (CAS-No.: 100-51-6) Test Type: Magnusson & Kligman Species: Guinea pig Result: not sensitizing Remarks: Literary reference
Ingestion:	No data available
Carcinogenicity:	No data available
Teratogenicity:	No data available
Germ Cell Mutagenicity:	Benzyl alcohol (CAS-No.: 100-51-6) Test Type: Ames test Result: negative, Test Type: gene mutation test, Species: mouse lymphoma cells, Result: equivocal, Test Type: Chromosome aberration test in vitro Result: positive, Genotoxicity in vivo: Test Type: In vivo micronucleus test, Species: Mouse Application Route: ip, Dose: 50 -100-200 mg/kg Result: negative Salicylic acid (CAS-No.: 69-72-7) Test Type: Ames test Species: Salmonella typhimurium Metabolic

	activation: yes Result: negative
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	Benzyl alcohol (CAS-No.: 100-51-6) Species: Mouse, female Application Route: Oral Dose: 10dFertility: NOAEL: 550mg/kg food
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available
Further Information:	Remarks: May cause sensitization of susceptible persons by skin contact. Remarks: Dermal absorption possible Remarks: High concentration of vapors may induce unconsciousness.

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Toxicity to Fish:	Benzyl alcohol (CAS-No.: 100-51-6) LC50(Leuciscus idus (Golden orfe)): 646 mg/l Exposure time: 48 h Method: DIN 38412 Part 15 LC50(Pimephales promelas (fathead minnow)): 460 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates:	Benzyl alcohol (CAS-No.: 100-51-6) EC50(Daphnia magna (Water flea)): 230 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants:	Benzyl alcohol (CAS-No.: 100-51-6) IC50(Pseudokirchneriella subcapitata (green algae)): 770 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 NOEC(Pseudokirchneriella subcapitata (green algae)): 310 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 ErC50(Pseudokirchneriella subcapitata (green algae)): 700 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	Benzyl alcohol (CAS-No.: 100-51-6) NOEC: 51 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
Toxicity to microorganisms:	Benzyl alcohol (CAS-No.: 100-51-6) EC50(Pseudomonas putida): 658 mg/l Exposure time: 16 h Remarks: Literary reference EC50(Photobacterium phosphoreum): 71 mg/l Exposure time: 30 min Remarks: Literary reference
Persistence and Degradability:	Benzyl alcohol (CAS-No.: 100-51-6) Result: Readily biodegradable. Biodegradation: 95 -97 %Exposure time: 21 d Method: OECD Test Guideline 301A Result: Readily biodegradable. Biodegradation: 92 -96 % Exposure time: 14 d Method: OECD Test Guideline 301C
Bioaccumulative Potential:	Benzyl alcohol (CAS-No.: 100-51-6) Bioconcentration factor (BCF): 4 Remarks: Literary reference Does not bioaccumulate.
Mobility in Soil:	No data available
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available
Assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting potential:	The substance/mixture does not contain components considered to have endocrine-disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.
Product Containers:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of

the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	No data available, Not dangerous goods
TDG (Transportation of Dangerous Goods, Canada):	No data available, Not dangerous goods
IMDG (International Maritime Dangerous Goods):	No data available, Not dangerous goods
IATA (International Air Transport Association):	No data available, Not dangerous goods
ICAO (International Civil Aviation Organization):	No data available, Not dangerous goods

Special precautions for users: The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations

15 REGULATORY INFORMATION

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

National regulatory information

Water hazard class (Germany) WGK 1slightly hazardous to water Remarks: Classification according to AwSV, Annex 1 (5.2)

Chemical safety assessment No data available

16 OTHER INFORMATION

Revision Date: 31-May-2024

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

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