

SymSave® H

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:	SymSave® H	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Hydroxyacetophenone	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	99-93-4	Web:	www.makingcosmetics.com
Formula:	C8-H8-O2		
Product Form:	Solid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Eye irritation: Category 2A
GHS Signal Word: **WARNING!**
GHS Hazard Pictograms: 

GHS Hazard Statements: H319: Causes serious eye irritation.
GHS Precautionary Statements: (Prevention) P264: Wash skin thoroughly after handling.
P280: Wear eye protection/ face protection.
(Response) P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Potential Health Hazards: Eyes: Causes serious eye irritation.
Inhalation: May be an irritant.
Skin: May be an irritant.
Ingestion: May cause nausea, vomiting, and diarrhea.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Hydroxyacetophenone	99-93-4	100%	136,15 g/mol

4 FIRST AID MEASURES

Eyes: Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Inhalation: Remove person to fresh air. If signs/symptoms continue, get medical attention. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Rinse mouth with water. Keep respiratory tract clear. If symptoms persist, call a physician. Treat symptomatically.

First Aid Notes: First Aid responders should pay attention to self-protection and use the recommended protective clothing. The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperature. Use appropriate media (water spray, alcohol-resistant foam, dry chemical or carbon dioxide) for adjacent fire. Do not use high volume water jet as it may scatter and spread fire.
Special protective equipment & precautions for firefighters:	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots. Do not allow run-off from firefighting to enter drains or water courses. Collect contaminated fire extinguishing water separately.
Flash Points:	Not applicable
Specific hazards arising from the chemical:	None listed. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
Methods and material for containment and cleaning up:	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
Conditions for safe storage, incl. any incompatibilities:	No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards. Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Dust	5 mg/m ³ (Respirable Dust)	TWA	OSHA Z-1

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes:	Wear tightly fitting safety goggles and/or face-shield and protective suit for abnormal processing problems.
Inhalation:	Wear an effective dust mask.
Body:	Protective gloves made of nitrile rubber (Level 6 >480 min breakthrough time) and dust impervious protective suite. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
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:	Crystalline powder	Vapor Pressure:	0.000016 hPa / 0.000 mmHg (68°F/20°C) 0.00003 hPa / 0.000 mmHg (77°F/25°C)
Odor:	Characteristic	Vapor Density:	Not applicable
Odor Threshold:	No data available	Evaporation Rate:	Not determined

Color:	White to beige	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Dust can form an explosive mixture in air
pH:	Not applicable	Flash Point:	Not applicable
Boiling Point:	383 °F (195°C)	Specific Gravity:	No data available
Melting/Freezing Point:	230 °F / 110 °C (1,013 hPa)	Solubility in Water:	Immiscible
Relative Density:	ca. 1.27 (68°F/20°C)	Auto-Ignition Temperature:	Not classified as self-heating.
Partition Coefficient: n-octanol/water:	0.74 (77°F/25°C)	Decomposition Temperature:	Not determined
Viscosity:	3.6 mPa.s	Explosive Properties:	Not classified as explosive
Viscosity, Kinematic:	Not applicable	Dust Explosion Class:	St1
Oxidizing Properties:	Not classified as oxidizing.	Bulk Density:	< 1,500 kg/m ³

10 STABILITY AND REACTIVITY

Reactivity:	No decomposition if stored and applied as directed.
Chemical Stability:	No decomposition if stored and applied as directed.
Hazardous Polymerization:	No data available.
Conditions to Avoid:	Avoid dust accumulation. Dust may form explosive mixture in air.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No hazardous decomposition products are known.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	
Skin:	(Rabbit, Male/Female, Dermal) LD50: > 2,000 mg/kg; Method: OECD Test Guideline 402; GLP: yes. (Humans) Exposure time: 48 hours; Method: Single patch test; Result: No skin irritation; Concentration: 5%. (Rabbit) Exposure time: 4 hours; Method: OECD Test Guideline 404; Result: No skin irritation; GLP: yes Dose: 0,5 g Concentration: 100%
Eyes:	Causes serious eye irritation. (Rabbit) Method: OECD Test Guideline 405; Result: Eye irritation; GLP: yes; Dose: 0,1 G; Concentration: 100%
Respiratory:	No data available.
Ingestion:	(Rat, Male/Female, Oral) LD50: 2,240 mg/kg; Method: OECD Test Guideline 401; GLP: yes.
Carcinogenicity:	Not classified based on available information.
Teratogenicity:	No data available.
Germ Cell Mutagenicity:	Not classified based on available information.
Genotoxicity in Vitro:	Test Type: In vitro Mammalian Cell Gene Mutation Test; Test system: V79 cells; Metabolic activation: with and without metabolic activation; Method: OECD 476; Result: negative; GLP: yes. Test Type: Ames test; Metabolic activation: with and without metabolic activation; Method: OECD 471; Result: negative; GLP: yes. Test Type: sister chromatid exchange assay; Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation; Method: OPPTS 870.5550; Result: negative; GLP: yes.
Genotoxicity in vivo:	Test Type: Mammalian Erythrocyte Micronucleus Test; Species: Mouse (male and female) Cell type: Bone marrow; Application Route: Intraperitoneal injection; Method: OECD Test Guideline 474; Result: negative; GLP: yes.
Specific Target Organ Toxicity:	Not classified based on available information for single or repeated exposure.
Reproductive Toxicity:	Not classified based on available information.
Respiratory/Skin Sensitization:	Not classified based on available information. Test Type: HRIPT; Species: Humans; Result: No sensitizing effect. Rate of positive effects: 0/107; Concentration: 5%. Test Type: Maximization Test; Species: Guinea pig; Method: OECD Test Guideline 406; Result: No sensitizing effect. GLP: yes; Rate of positive effects: 0/20; Concentration: 75%; solvents: Petrolatum.
Corrosivity:	Not classified based on available information.
Skin Corrosion/Irritation:	Not classified based on available information.
Aspiration Toxicity:	Not classified based on available information.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	LC50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l; End point: mortality; Exposure time: 96 hours; Test Type: static test; Analytical monitoring: yes; Method: OECD Test Guideline 203; GLP: yes.
Aquatic Invertebrate:	EC50 (Daphnia magna (Water flea)): 50 mg/l; End point: Immobilization; Exposure time: 48 hours; Test Type: static test; Analytical monitoring: yes; Method: OPPTS 797.1300; GLP: yes. EC10 (Daphnia magna (Water flea)): 0.521 mg/l; End point: Reproduction rate; Exposure time: 21 days; Test Type: semi-static test; Analytical monitoring: yes; Method: OECD 211; GLP: yes.
Aquatic Algae/Plants:	EC50 (Pseudokirchneriella subcapitata (green algae)): 11.8 mg/l; End point: Growth rate; Exposure time: 72 hours; Test Type: static test; Analytical monitoring: yes; Method: EPA OTS 797.1050; GLP: yes. NOEC (Pseudokirchneriella subcapitata (green algae)): 2.8 mg/l; End point: Growth rate; Exposure time: 72 hours; Test Type: static test; Analytical monitoring: yes; Method: EPA OTS 797.1050; GLP: yes.
Microorganisms:	EC20 (Activated sludge): 130 mg/l; End point: Respiration inhibition; Exposure time: 3 hours; Test Type: static test; Analytical monitoring: no; Method: OECD 209; GLP: yes.
Persistence and Degradability:	Test Type: Manometric respiration test; Result: Readily biodegradable; Biodegradation: 86%; Exposure time: 28 days; Method: OECD 301F; GLP: yes.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONS

Waste Residues:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used containers. Send to a licensed waste management company. 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.
Product Containers:	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty 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):	Not regulated as a dangerous good.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated as a dangerous good.
IATA (International Air Transport Association):	Not regulated as a dangerous good.
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
SARA 311/312 Hazards:	Serious eye damage or eye irritation.

16 OTHER INFORMATION

Revision Date:	25-Feb-2026
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the

company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.