

SAFETY DATA SHEET

According to Title 29 of US Code of Federal Regulations 1910.1200.



979940 SymSave® H

Version 13.0

Print Date: 12/13/2018

Revision Date: 07/18/2018

SECTION 1. IDENTIFICATION

Product name : SymSave® H
Product code : 979940

Manufacturer or supplier's details

Company name of supplier : Symrise , Inc.
Address : 300 North Street
Teterboro NJ 07608
Telephone : (201) 288-3200
Telefax : (201) 288-0843
E-mail address : msds-us@symrise.com
Emergency telephone number : +1-800-535-5053 (ID# 101844)
+1-352-323-3500 (Outside US)

Recommended use of the chemical and restrictions on use


Recommended use : Cosmetic additive
Restrictions on use : Cosmetics

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Eye irritation : Category 2A

GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

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.

Hazards Not Otherwise Classified (HNOC)

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name : Ethanone, 1-(4-hydroxyphenyl)-

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Synonyms	: 4'-Hydroxyacetophenone, Hydroxyacetophenone
Chemical Family	: Aromatic Ketones
CAS-No.	: 99-93-4
Molecular formula	: C8-H8-O2
FEMA Number	: 4330

SECTION 4. FIRST AID MEASURES

General advice	: Do not leave the victim unattended. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Do not give milk or alcoholic beverages. If symptoms persist, call a physician.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Specific extinguishing methods	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Avoid breathing dust. Avoid dust formation.
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- Environmental precautions : Try to prevent the material from entering drains or water courses.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Clean up promptly by sweeping or vacuum.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Use only with adequate ventilation.
Do not breathe vapours/dust.
For industrial use only.
Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.
Take care to avoid waste and spillage when weighing, loading and mixing the product.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

We are not aware of any national exposure limit.

Personal protective equipment

- Respiratory protection : In the absence of adequate ventilation, a dust mask or a respirator, appropriate for the specific workplace conditions, is recommended.
- Eye protection : Wear chemical resistant goggles and/or face shield.
- Skin and body protection : Wear suitable gloves.
- Protective measures : Engineering controls providing adequate ventilation (such as hoods, point source or whole room ventilation systems for liquids and dust collection systems for dusts) are recommended as the primary method to minimize workplace exposure. When adequate ventilation cannot be achieved, the use of an appropriate respiratory protection device is recommended.
Established TLV/ TWA or PEL values should be used when possible.

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Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : crystalline powder
Colour : white to beige
Odour : characteristic

Melting point/range : 110 °C
(1,013 hPa)
Method: OECD Test Guideline 102
GLP: yes

Boiling point/boiling range : 195 °C
(1,013 hPa)
Decomposition: yes
Method: OECD Test Guideline 103
GLP: no

Flash point : Note: Not applicable

Vapour pressure : 0.001 Pa (20 °C) / 0.0016 Pa (20 °C)
Method: OECD Test Guideline 104
GLP: yes

0.003 hPa (25 °C) / 0.002 mmHg (25 °C)
Method: OECD Test Guideline 104
GLP: yes

0.072 hPa (50 °C) / 0.054 mmHg (50 °C)
Method: OECD Test Guideline 104
GLP: yes

Relative density : ca. 1.27 (20 °C)
Method: OECD 109
GLP: no
relation to density of water at 4°C

Solubility(ies)
Water solubility : ca. 10 g/l immiscible (22 °C)

Partition coefficient: n-octanol/water : log Pow: 0.74 (25 °C)
Method: OECD 117
GLP: yes

Viscosity
Viscosity, dynamic : 3.6 mPa.s (131 °C)

Molecular weight : 136.15 g/mol

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SECTION 10. STABILITY AND REACTIVITY

- Chemical stability : No decomposition if stored and applied as directed.
- Possibility of hazardous reactions : Stable under recommended storage conditions.
- None known.
- Conditions to avoid : No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion
Inhalation
Eye contact
Skin contact

Acute toxicity

- Acute oral toxicity : LD50 Oral (Rat, male and female): 2,240 mg/kg
Method: OECD Test Guideline 401
GLP:yes
- Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation

Species: Humans
Exposure time: 48 h
Method: Single patch test
Result: No skin irritation
Concentration: 5 %

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: No skin irritation
Concentration: 100 %
GLP: yes

Serious eye damage/eye irritation

Species: Rabbit
Result: Severe eye irritation
Concentration: 100 %
Exposure time: 24 h

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Method: OECD Test Guideline 405
GLP: yes

Respiratory or skin sensitisation

Test Type: HRIPT
Species: Humans
Result: No sensitizing effect.
Concentration: 5 %

Test Type: Maximisation Test
Species: Guinea pig
Method: OECD Test Guideline 406
Result: No sensitizing effect.
Concentration: 75 %
GLP: yes

Germ cell mutagenicity

Genotoxicity in vitro : Test Type: In vitro Mammalian Cell Gene Mutation Test
Test species: V79 cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative
GLP: yes

: Test Type: Ames test
Test species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes

: Test Type: sister chromatid exchange assay
Test species: 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
Test species: Mouse male and female
Cell type: Bone marrow
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Carcinogenicity

IARC Not listed
OSHA Not listed
NTP Not listed

Reproductive toxicity

No data available

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STOT - single exposure

No data available

STOT - repeated exposure

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

- Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 50 mg/l
Exposure time: 48 h
Test Type: static test
GLP: yes
- Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 11.8 mg/l
Exposure time: 72 h
Test Type: static test
GLP: yes
- NOEC (Pseudokirchneriella subcapitata (green algae)): 2.8 mg/l
Exposure time: 72 h
Test Type: static test
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1 mg/l
Exposure time: 21 d
Method: OECD 211
GLP: yes
- Toxicity to bacteria : EC20 (Activated sludge): 130 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Analytical monitoring: yes
Method: OECD 209
GLP: yes

Persistence and degradability

- Biodegradability : Test Type: aerobic
Inoculum: activated sludge
Concentration: 10 mg/l
Result: Readily biodegradable.
Biodegradation: 91.1 %
Exposure time: 28 d
Method: OECD 301B
GLP: yes

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Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

Additional ecological information : Harmful to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations. Observe, local, state and federal regulations. Do not dispose of waste into sewer. Discharge into the environment must be avoided. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Where possible recycling is preferred to disposal or incineration.

SECTION 14. TRANSPORT INFORMATION

49CFR Road 0 – 25 kg Not classified as dangerous in the meaning of transport regulations.

49CFR Road 25 – 400 kg Not classified as dangerous in the meaning of transport regulations.

49CFR Road > 400 kg Not classified as dangerous in the meaning of transport regulations.

IMDG : Not classified as dangerous in the meaning of transport regulations.

IATA-DGR : Not classified as dangerous in the meaning of transport regulations.

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SECTION 15. REGULATORY INFORMATION

TSCA list

TSCA - 12(b) Export Notification List of Chemicals : Not listed
TSCA - 5(a) Significant New Use Rule List of Chemicals : Not listed

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : This material does not contain any components with a SARA 302 RQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

New Jersey Right To Know

Not listed

California Prop 65

Not listed

SECTION 16. OTHER INFORMATION

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.