

Safety Data Sheet

Kolliphor® CS A

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Version: 2.0

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1. Identification

Product identifier used on the label

Kolliphor® CS A

Recommended use of the chemical and restriction on use

Recommended use*: Bases for creams and ointments, Ointment and Cream

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Synonyms: Kolliphor CS A

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	3	Hazardous to the aquatic environment - acute

Label elements

Pictogram:

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Signal Word:
Danger

Hazard Statement:

H318 Causes serious eye damage.
H315 Causes skin irritation.
H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.
P273 Avoid release to the environment.
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (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.
P310 Immediately call a POISON CENTER or doctor/physician.
P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

Fine dust produced by abrasion can form explosive mixtures with air. The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Labeling of special preparations (GHS):

This product is not combustible in the form in which it is shipped by the manufacturer, but may form a combustible dust through downstream activities (e.g. grinding, pulverizing) that reduce its particle size.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
67762-27-0	80.0 - 100.0%	fatty alcohol
68955-20-4	7.0 - 15.0%	Sulfuric acid, mono-C16-18-alkyl esters, sodium salts

4. First-Aid Measures

Description of first aid measures

General advice:

Avoid contact with the skin, eyes and clothing. If difficulties occur: Obtain medical attention.

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If inhaled:

Remove victim to fresh air and away from exposure immediately. If breathing has stopped, administer artificial respiration. Immediate medical attention required.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. If irritation develops, seek medical attention.

If swallowed:

Call a poison control center or physician for treatment advice.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, foam, carbon dioxide, dry powder

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
Burning produces harmful and toxic fumes.

Advice for fire-fighters

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:

If exposed to fire, keep containers cool by spraying with water. If a leak or spill has not ignited, use water spray to disperse the vapors and to protect personnel attempting to stop leak. Water spray may be used to dilute spills to non-flammable mixtures. Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6. Accidental release measures

Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion.

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Personal precautions, protective equipment and emergency procedures

Wear eye/face protection. Use breathing apparatus if exposed to vapours/dust/aerosol. Wear chemical resistant protective gloves.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Pick up spilled material and containerize for recovery or disposal. Vacuum area or flush with water to remove residues. Nonsparking tools should be used.

7. Handling and Storage

Precautions for safe handling

Avoid dust formation. Avoid the formation and build up of dust - danger of dust explosion.

Protection against fire and explosion:

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE)

Storage stability:

Storage temperature: ≤ 30 °C

8. Exposure Controls/Personal Protection

No occupational exposure limits known.

Advice on system design:

Ensure adequate ventilation. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment

Respiratory protection:

Not applicable with adequate ventilation. Wear a NIOSH-certified (or equivalent) respirator as necessary. Follow manufacturer's recommendations.

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Hand protection:

Plastic gloves, Rubber gloves

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

Form:	pastilles	
Odour:	odourless	
Odour threshold:	not applicable, odour not perceivable	
Colour:	colourless	
pH value:	6.5 - 8.0 (20 °C)	(DIN 19268)
melting range:	50.0 - 54.0 °C	(DGF C-IV 3C)
Boiling point:	No data available.	
Flash point:	177 °C	(DIN EN 22719; ISO 2719)
Flammability:	not highly flammable	(UN Test N.1 (ready combustible solids))
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Vapour pressure:	negligible	
Density:	0.81 - 0.83 g/cm ³ (60 °C)	
Bulk density:	approx. 850 kg/m ³ (20 °C)	
Vapour density:	(20 °C) The product is a non-volatile solid.	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	(20 °C) not applicable, the product is a solid	
Solubility in water:	soluble	
Solubility (qualitative):	soluble solvent(s): Ethanol, Acetone, diethyl ether	
Evaporation rate:	The product is a non-volatile solid.	

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

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Oxidizing properties:
not fire-propagating

Minimum ignition energy:

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with oxidizing agents. Reacts with bases. Reacts with strong acids.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

No substances known that should be avoided.

Hazardous decomposition products

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Considered practically non-toxic. No data available.

Oral

Type of value: LD50

Value: > 5,000 mg/kg

Inhalation

Type of value: ATE

Value: > 5.0000 mg/l

Determined for dust

Dermal

Type of value: ATE

Value: > 5,000 mg/kg

Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

Irritation / corrosion

Assessment of irritating effects: Irritating to eyes and skin.

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Sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Based on available Data, the classification criteria are not met.

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria.
Genetic toxicity in vitro: OECD Guideline 471 Ames-test negative

Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish

LC50 > 10 - 100 mg/l, Brachydanio rerio (DIN EN ISO 7346-2)

Chronic toxicity to aquatic invertebrates

No observed effect concentration > 1 - 10 mg/l

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

OECD Guideline 209 bacterium/EC0: > 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Readily biodegradable (according to OECD criteria).

Bioaccumulative potential

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Assessment bioaccumulation potential

No data available.

Mobility in soil

Assessment transport between environmental compartments

not applicable

13. Disposal considerations

Waste disposal of substance:

Avoid landfilling liquids. Check for possible recycling. All product remaining after completion of the research and development activities must be disposed of as a waste in accordance with applicable federal, state and local regulations, or used for the commercial purposes as provided for in 40 CFR 720.36 (e).

Container disposal:

Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

Pharma TSCA, US released / exempt

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

CERCLA RQ
5000 LBS

CAS Number
7558-79-4

Chemical name
disodium hydrogen orthophosphate

NFPA Hazard codes:

Health: 2 Fire: 1 Reactivity: 0 Special:

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HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2018/10/24

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