

Safety data sheet

Basophor® ELH 60

Revision date : 2007/02/06
Version: 2.0

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1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

Chemical family: aqueous solution

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
61788-85-0		castor oil, hydrogenated, ethoxylated

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of dusts/mists/vapours.

Ensure adequate ventilation.

Wear NIOSH-certified chemical goggles.

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Wear chemical resistant protective gloves.

Eye wash fountains and safety showers must be easily accessible.

Potential health effects

Primary routes of exposure

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

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

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If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Flash point: > 100 °C

Autoignition: > 200 °C (DIN 51794)

Flammability: does not ignite

Suitable extinguishing media:

water, dry extinguishing media, foam

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

6. Accidental release measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Place absorbed material in the same container as the spilled substance/product for disposal.

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Further information:

High risk of slipping due to leakage/spillage of product.

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7. Handling and storage

Handling

General advice:

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

Temperature tolerance

Protect from temperatures below: 15 °C

The packed product is not damaged by low temperatures or by frost.

Protect from temperatures above: 70 °C

The packed product will be damaged by high temperatures.

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Odour:	product specific	
Colour:	yellowish	
pH value:	approx. 7	(50 g/l, 23 °C) (DIN EN 1262)
solidification temperature:	approx. 8 °C	(DIN ISO 2207)
Viscosity, dynamic:	approx. 2,500 mPa.s	(25 °C) (DIN EN 12092)
Solubility in water:		(15 °C) soluble

10. Stability and reactivity

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

Decomposition products:

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Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological information

Acute toxicity

Oral:

LD50/rat: > 2,000 mg/kg

Skin irritation:

rabbit: non-irritant (BASF-Test)

Eye irritation :

rabbit: non-irritant (BASF-Test)

Chronic toxicity

Other information:

The product has not been tested. The statement has been derived from products of a similar structure and composition.

12. Ecological information

Biodegradation:

Test method:	OECD Guideline 302 B
Method of analysis:	DOC reduction
Degree of elimination:	20 - 70 %

Environmental toxicity

Acute and prolonged toxicity to fish:

DIN 38412 Part 15 golden orfe/LC50 (96 h): > 100 mg/l

Toxicity to microorganisms:

DIN 38412 Part 8 bacterium/EC10 (17 h): > 10,000 mg/l

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from products of a similar structure and composition.

13. Disposal considerations

Waste disposal of substance:

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

It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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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:

TSCA, US released / listed

OSHA hazard category: Not hazardous

SARA hazard categories (EPCRA 311/312): Not hazardous

State regulations

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other information

Recommended use: emulsifier
Suitable for use in industrial sector: chemical industry

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

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