BASF

The Chemical Company

Safety data sheet
Lugalvan® BNO 24

1. Substance/preparation and company identification

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

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

2. Composition/information on ingredients

CAS Number	Content (W/W)	Chemical name
35545-57-4	75.0 %	beta-naphtholethoxylate
7732-18-5	25.0 %	Water

3. Hazard identification

Emergency overview

CAUTION: INGESTION MAY CAUSE GASTRIC DISTURBANCES.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
Avoid contact with the skin, eyes and clothing.
Eye wash fountains and safety showers must be easily accessible.
Use with local exhaust ventilation.
Wear NIOSH-certified chemical goggles.
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
Wear chemical resistant protective gloves.
Wear protective clothing.

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.

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	(DIN/EN 22719; ISO 2719)
Autoignition:	> 200 °C	(DIN 51794)

Suitable extinguishing media:
water spray, dry extinguishing media, foam

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
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:

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.

7. Handling and storage

Handling

General advice:
No special measures necessary provided product is used correctly.

Protection against fire and explosion:
No special precautions necessary.

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.

Eye protection:
Tightly fitting safety goggles (chemical goggles).

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

General safety and hygiene measures:
Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Remove contaminated clothing.

9. Physical and chemical properties

Form:	liquid	
Odour:	product specific	
Colour:	yellow	
pH value:	6 - 8	(100 g/l, 23 °C) (DIN/ISO 976)
solidification temperature:	approx. 0 °C	(DIN/ISO 3013)
boiling temperature:	approx. 100 °C	
Density:	1.11 - 1.14 g/cm3	(23 °C) (DIN 51757)
Viscosity, kinematic:	155 - 205 mm2/s	(23 °C) (DIN 51562)
Solubility in water:		(20 °C) fully soluble

10. Stability and reactivity

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

Decomposition products:
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 (OECD Guideline 404)

Eye irritation :
rabbit: non-irritant (OECD Guideline 405)

12. Ecological information

Environmental fate and transport

Biodegradation:

Evaluation: Moderately/partially eliminated from water.

Environmental toxicity

Acute and prolonged toxicity to fish:
golden orfe/LC50 (96 h): > 100 mg/l

Toxicity to microorganisms:
bacterium/EC10 (17 h): > 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

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.

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

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.

Local contact information
prod_reg@basf.com

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