

Safety Data Sheet

Basazol® Brown 43 L na

Revision date : 2012/04/12

Version: 3.1

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(30229882/SDS_GEN_US/EN)

1. Product 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)

Chemical family: azo dye

2. Hazards Identification

Emergency overview

WARNING:
CORROSIVE LIQUID.
Risk of serious damage to eyes.
Corrosive to the skin.
Avoid inhalation of mists/vapours.
Use with local exhaust ventilation.
Wear protective clothing.
Wear full face shield if splashing hazard exists.

State of matter: liquid

State of matter: liquid
Colour: brown
Odour: of acetic acid, moderate odour

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.

Acute toxicity:

Inhalation of aerosols may cause respiratory tract irritation and pulmonary inflammation. Ingestion may cause moderate to severe gastrointestinal irritation and ulceration including nausea and vomiting and pain.

Irritation / corrosion:

Risk of serious damage to eyes.

Sensitization:

Caused sensitization in humans.

Chronic toxicity:

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Repeated dose toxicity: Overexposure may cause liver and kidney toxicity.

Potential environmental effects

Degradation / environmental fate:

The colourant can be sufficiently eliminated from water by adsorption onto activated sludge in biological effluent treatment plants.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
7732-18-5	>= 50.0 - <= 60.0 %	Water
64-19-7	>= 20.0 - <= 30.0 %	Acetic acid
	>= 10.0 - <= 20.0 %	489909-5040-P-CP
57-55-6	>= 1.0 - <= 2.0 %	Propylene glycol

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. Immediate medical attention required.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

5. Fire-Fighting Measures

Flash point:	> 100 °C	(DIN 51758)
Autoignition:		Based on the water content the product does not ignite.
Self-ignition temperature:		not self-igniting

Suitable extinguishing media:

water spray, dry powder, carbon dioxide, foam

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:

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

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6. Accidental release measures

Personal precautions:

Breathing protection required.

Environmental precautions:

This product is regulated by CERCLA ('Superfund').

Cleanup:

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Handling

General advice:

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

No explosion proofing necessary.

Storage

General advice:

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

Store protected against freezing.

8. Exposure Controls and Personal Protection

Components with workplace control parameters

Acetic acid	OSHA	PEL 10 ppm 25 mg/m ³ ;
	ACGIH	TWA value 10 ppm ; STEL value 15 ppm ;

Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Eye wash fountains and safety showers must be easily accessible. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form: liquid

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Odour:	of acetic acid, moderate odour	
Colour:	brown	
pH value:	approx. 3.5	(100 g/l, 20 °C)
	approx. 3 - 4	
Freezing point:	approx. -20 °C	(1 ATM)
Boiling range:	> 100 °C	
	90 - 200 °C	(1 ATM)
Vapour pressure:	12.1 mmHg	(20 °C)
Density:	approx. 1.08 g/cm ³	(20 °C)
Solubility in water:	miscible	
Solubility (qualitative):	miscible	
	solvent(s): organic solvents,	

10. Stability and Reactivity

Conditions to avoid:

Avoid extreme heat.

Substances to avoid:

No substances known that should be avoided.

Hazardous reactions:

The product is chemically stable.

Decomposition products:

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

Corrosion to metals:

Corrosive effect on metals.

Oxidizing properties:

not fire-propagating

11. Toxicological information

Acute toxicity**Oral:**

Information on: Acetic acid

Type of value: LD50

Species: rat (male)

Value: 3,310 mg/kg

Information on: dipropylene glycol

Type of value: LD50

Species: rat (male/female)

Value: > 5,000 mg/kg

No mortality was observed.

Inhalation:

Species: rat

Exposure time: 8 h

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

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Irritation / corrosion

Skin:

Species: rabbit
Result: Irritant.
Method: BASF-Test

Information on: Acetic acid

Species: rabbit
Result: mildly irritating
The data refer to a diluted watery solution of the substance.

Information on: dipropylene glycol

Species: rabbit
Result: non-irritant

Eye:

Species: rabbit
Result: Irritant.
Method: BASF-Test

Information on: Acetic acid

Species: rabbit
Result: Irritant.
The data refer to a diluted watery solution of the substance.

Information on: dipropylene glycol

Species: rabbit
Result: non-irritant

Other Information:

The product has not been tested. The statement has been derived from the properties of the individual components.
The product has not been tested. The statement has been derived from products of a similar structure or composition.

12. Ecological Information

Fish

Acute:
static
Lepomis macrochirus/LC50 (96 h): 1 - 10 mg/l
Moderately toxic.

Microorganisms

Toxicity to microorganisms:
C test EC50: > 100 mg/l

Degradability / Persistence

Biological / Abiological Degradation

Test method: Static test
Method of analysis: colour reduction
Degree of elimination: 50 - 100 %

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Information on: Acetic acid

Test method: Static test (aerobic),
Method of analysis: DOC reduction
Degree of elimination: 96 % (20 d)
Test method: (aerobic), activated sludge, domestic
Method of analysis: BOD of the ThOD
Degree of elimination: 40.2 % (24 h)

Information on: dipropylene glycol

Test method: OECD 301F; ISO 9408; 92/69/EEC, C.4-D (aerobic),
Method of analysis: BOD of the ThOD
Degree of elimination: 84.4 % (28 d)
Test method: OECD Guideline 306 (aerobic), aerobic microorganisms
Method of analysis: DOC reduction
Degree of elimination: 23.6 % (64 d)
Evaluation: Evaluation:

Other adverse effects:

Do not allow to enter soil, waterways or waste water channels. Do not discharge substance/product into sewer system. The product has not been tested. The statement has been derived from the properties of the individual components.

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

13. Disposal considerations

Waste disposal of substance:

Incinerate in a licensed facility. Do not discharge substance/product into sewer system. Dispose of in a licensed facility.

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

Hazard class: 8
Packing group: III
ID number: UN 2801
Hazard label: 8, EHSM
Proper shipping name: DYE, LIQUID, CORROSIVE, N.O.S. (contains ACETIC ACID, C.I.BASIC BROWN 1)

Sea transport

IMDG

Hazard class: 8
Packing group: III
ID number: UN 2801
Hazard label: 8, EHSM
Marine pollutant: YES
Proper shipping name: DYE, LIQUID, CORROSIVE, N.O.S. (contains ACETIC ACID, C.I.BASIC BROWN 1)

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Air transport

IATA/ICAO

Hazard class: 8
Packing group: III
ID number: UN 2801
Hazard label: 8
Proper shipping name: DYE, LIQUID, CORROSIVE, N.O.S. (contains ACETIC ACID, C.I.BASIC BROWN 1)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

Chemical TSCA, US released / listed

OSHA hazard category: Chronic target organ effects reported; ACGIH TLV established

EPCRA 311/312 (Hazard categories): Acute; Chronic

CERCLA RQ

5000 LBS

100 LBS

CAS Number

64-19-7

71-23-8

Chemical name

Acetic acid

1-Propanol

Reportable Quantity for release: 5,000 lb

State regulations

State RTK

NJ, PA, MA

PA

CAS Number

57-55-6

Chemical name

489909-5040-P-CP

Propylene glycol

16. Other Information

NFPA Hazard codes:

Health : 2 Fire: 0 Reactivity: 0 Special:

HMIS III rating

Health: 2^a Flammability: 1 Physical hazard: 0

NFPA and HMIS use 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 extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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MSDS Prepared by:

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BASF NA Product Regulations
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