

Safety Data sheet

According to Directive 1907/2006

0323 1,3-BUTYLENE GLYCOL

Creation Date: 17/03/2014 Revision date: 31/05/2017

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 0323 Product name: 1,3-BUTYLENE GLYCOL Use of the substance: Analysis and chemical-pharmaceutical production
REACH registration Nr.: 01-2119455875-25-XXXX

Company/undertaking identification

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Chemtrec: 800-424-9300

2. Hazards identification

Labelling in accordance with directive 1907/2006

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE
Product not dangerous according to Regulation (EC) 1272/2008

3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 107-88-0

Molecular Weight: 90,10

Chemical formula: $\text{CH}_3\text{CHOHCH}_2\text{CH}_2\text{OH}$

EC-No.: 203-529-7

4. First aid measures

After inhalation:

Fresh air

Call the physician

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the physician if sickness persists

After swallowing:

Avoid vomiting

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Water spraying

Foam

Carbon dioxide

Special risks:

Possible irritating vapor formation in case of fire

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

Wear suitable protective clothing

Other information:

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

6. Accidental release measures

Procedures for cleaning/absorption:

To gather with absorbents

To come to the elimination of the remainders

Rinse.

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

In well-ventilated place

Dry place.

8. Exposure controls/personal protection

Personal protective equipment:

Respiratory protection:

Necessary when steam/aerosols are generated

Hand protection:

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Liquid

Odour: Odourless

pH value: 6-7

Boiling point: 207,5

Ignition temperature: 109 °C

Flash point: 121°C

Explosion limits: lower: 1,9 Vol % Upper: 12,6 Vol %

Density (g/cm³): 1,005

Solubility: Soluble (in water)

10. Stability and reactivity

Substances to be avoided:

Strong oxidizing agents.

Hazardous decomposition products:

Not available.

Further information:

Hygroscopic.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 18610 mg/kg

After eye contact:

Slight irritation

After skin contact:

Harmful to the health

Irritations

After inhalation:

Irritations of the mucous membranes

After swallowing:

Might be harmful in case of ingestion

Further toxicological information:

Other dangerous characteristics are not discarded

Take the usual precautions for handling chemical products

12. Ecological information

No information available

13. Disposal considerations

Product:

Dispose as regulated in the community countries by local regulations.
Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations.
For contaminated packaging the same measures must be adopted as for the contaminated product.
Not contaminated packaging must be disposed of as domestic residues or recycled material.
European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

15. Regulatory information

16. Other information

The information contained herein is based on the present state of our knowledge.
It characterizes the product with regard to appropriate safety precautions. It does not represent
a guaranty of the properties of the product.